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OM protein - protein search, using sw model

Run on:      February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
                                          (without alignments)
                                          36.315 Million cell updates/sec

Title:         US-10-006-177A-1
Perfect score: 43
Sequence:      1 KIMDQVQQA 9
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched:      572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:        572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
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| 2 | 43 | 100.0 | 2842 | 1 | US-08-289-548A-7 | Sequence 7, Appli |
| 3 | 43 | 100.0 | 2842 | 1 | US-08-452-654-7 | Sequence 7, Appli |
| 4 | 43 | 100.0 | 2842 | 2 | US-08-449-731-7 | Sequence 2, Appli |
| 5 | 43 | 100.0 | 2843 | 1 | US-07-741-940-2 | Sequence 2, Appli |
| 6 | 43 | 100.0 | 2843 | 2 | US-08-289-548A-2 | Sequence 2, Appli |
| 7 | 43 | 100.0 | 2843 | 1 | US-08-452-654-2 | Sequence 7, Appli |
| 8 | 43 | 100.0 | 2843 | 1 | US-08-452-655B-2 | Sequence 2, Appli |
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| 15 | 43 | 100.0 | 2843 | 2 | US-09-538-092-1007 | Sequence 1007, Ap |
| 16 | 43 | 100.0 | 2843 | 2 | US-08-681-219A-30 | Sequence 30, Appl |
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| 27 | 31 | 72.1 | 434 | 1 | US-08-989-925-1 | Sequence 1, Appl |
| 28 | 31 | 72.1 | 434 | 2 | US-09-489-039A-7886 | Sequence 7886, Ap |
| 29 | 31 | 72.1 | 452 | 2 | US-09-010-147B-22 | Sequence 22, Appl |
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| 31 | 31 | 72.1 | 491 | 2 | US-09-522-955A-2 | Sequence 2, Appli |
| 32 | 31 | 72.1 | 498 | 2 | US-09-198-452A-143 | Sequence 143, App |
| 33 | 31 | 72.1 | 498 | 2 | US-09-438-185A-126 | Sequence 126, App |
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| 38 | 30 | 69.8 | 611 | 2 | US-09-949-016-9430 | Sequence 9430, Ap |
| 39 | 30 | 69.8 | 683 | 2 | US-09-252-991A-32144 | Sequence 32144, A |
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| 42 | 30 | 69.8 | 1066 | 2 | US-09-723-820-8 | Sequence 8, Appli |
| 43 | 30 | 69.8 | 1066 | 2 | US-10-270-085-8 | Sequence 8, Appli |
| 44 | 29 | 67.4 | 125 | 2 | US-09-732-210-196 | Sequence 196, App |
| 45 | 29 | 67.4 | 132 | 1 | US-08-649-991-71 | Sequence 71, Appl |

ALIGNMENTS

RESULT 1
US-07-741-940-7
; Sequence 7, Application US/07741940
; Patent No. 5352775
; GENERAL INFORMATION:
;  APPLICANT: ALBERTSEN, HANS
;  APPLICANT: ANAND, RAKESH
;  APPLICANT: CARLSON, MARY
;  APPLICANT: GRODEN, JOANNA
;  APPLICANT: HEDGE, PHILIP J.
;  APPLICANT: JOSLYN, GEOFF
;  APPLICANT: KINZLER, KENNETH
;  APPLICANT: MARKHAM, ALEXANDER F.
;  APPLICANT: NAKAMURA, YUSUKE
;  APPLICANT: THLIVERIS, ANDREW
;  TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;  TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;  NUMBER OF SEQUENCES: 94
;  CORRESPONDENCE ADDRESS:
;    ADDRESSEE: Banner, Birch, McKie & Beckett
;    STREET: 1001 G Street, NW
;    CITY: Washington
;    STATE: D.C.
;    COUNTRY: USA
;    ZIP: 20001-4598
;  COMPUTER READABLE FORM:
;    MEDIUM TYPE: Floppy disk
;    COMPUTER: IBM PC compatible
;    OPERATING SYSTEM: PC-DOS/MS-DOS
;    SOFTWARE: PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;    APPLICATION NUMBER: US/07/741,940
;    FILING DATE: 19920109
;    CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;    NAME: Kagan, Sarah A.
;    REGISTRATION NUMBER: 32,141
;    REFERENCE/DOCKET NUMBER: 1107.035574
;  TELECOMMUNICATION INFORMATION:
;    TELEPHONE: 202-508-9100
;    TELEFAX: 202-508-9299
;  INFORMATION FOR SEQ ID NO: 7:
;    SEQUENCE CHARACTERISTICS:
;    LENGTH: 2842 amino acids
;    TYPE: AMINO ACID
;    STRANDEDNESS: single
;    TOPOLOGY: linear
;    MOLECULE TYPE: protein
;    ORIGINAL SOURCE:
;      ORGANISM: Homo sapiens

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;     IMMEDIATE SOURCE:
;       CLONE: APC
US-07-741-940-7

Query Match      100.0%;  Score 43; DB 1; Length 2842;
Best Local Similarity 100.0%;  Pred. No. 5.7;
Matches  9; Conservative  0; Mismatches  0; Indels  0; Gaps  , 0;

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Db  1744 KIMDQVQQA 1752

RESULT 2
US-08-289-548A-7
; Sequence 7, Application US/08289548A
; Patent No. 5648212
; GENERAL INFORMATION:
;   APPLICANT: ALBERTSEN, HANS
;   APPLICANT: ANAND, RAKESH
;   APPLICANT: CARLSON, MARY
;   APPLICANT: GRODEN, JOANNA
;   APPLICANT: HEDGE, PHILIP J.
;   APPLICANT: JOSLYN, GEOFF
;   APPLICANT: KINZLER, KENNETH
;   APPLICANT: MARKHAM, ALEXANDER F.
;   APPLICANT: NAKAMURA, YUSUKE
;   APPLICANT: THLIVERIS, ANDREW
;   TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;   TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;   NUMBER OF SEQUENCES: 102
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Banner & Allegretti, LTD
;     STREET: 1001 G Street, NW
;     CITY: Washington
;     STATE: D.C.
;     COUNTRY: USA
;     ZIP: 20001-4598
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/289,548A
;     FILING DATE: 12-AUG-1994
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Kagan, Sarah A.
;     REGISTRATION NUMBER: 32,141
;     REFERENCE/DOCKET NUMBER: 1107.46943
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 202-508-9100
;     TELEFAX: 202-508-9299
;   INFORMATION FOR SEQ ID NO: 7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 2842 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
;     ORIGINAL SOURCE:
;       ORGANISM: Homo sapiens
;     IMMEDIATE SOURCE:
;       CLONE: APC
US-08-289-548A-7

Query Match      100.0%;  Score 43; DB 1; Length 2842;
Best Local Similarity 100.0%;  Pred. No. 5.7;
Matches  9; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

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Db  1744 KIMDQVQQA 1752

RESULT 3
US-08-452-654-7
; Sequence 7, Application US/08452654
; Patent No. 5691454
; GENERAL INFORMATION:
;   APPLICANT: ALBERTSEN, HANS
;   APPLICANT: ANAND, RAKESH
;   APPLICANT: CARLSON, MARY
;   APPLICANT: GRODEN, JOANNA
;   APPLICANT: HEDGE, PHILIP J.
;   APPLICANT: JOSLYN, GEOFF
;   APPLICANT: KINZLER, KENNETH
;   APPLICANT: MARKHAM, ALEXANDER F.
;   APPLICANT: NAKAMURA, YUSUKE
;   APPLICANT: THLIVERIS, ANDREW
;   TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;   TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;   NUMBER OF SEQUENCES: 94
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Banner, Birch, McKie & Beckett
;     STREET: 1001 G Street, NW
;     CITY: Washington
;     STATE: D.C.
;     COUNTRY: USA
;     ZIP: 20001-4598
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/452,654
;     FILING DATE: 25-MAY-1995
;     CLASSIFICATION: 536
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 07/741,940
;     FILING DATE: 08-AUG-1991
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Kagan, Sarah A.
;     REGISTRATION NUMBER: 32,141
;     REFERENCE/DOCKET NUMBER: 1107.035574
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 202-508-9100
;     TELEFAX: 202-508-9299
;   INFORMATION FOR SEQ ID NO: 7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 2842 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
;     ORIGINAL SOURCE:
;       ORGANISM: Homo sapiens
;     IMMEDIATE SOURCE:
;       CLONE: APC
US-08-452-654-7

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Best Local Similarity 100.0%;  Pred. No. 5.7;
Matches  9; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

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Db  1744 KIMDQVQQA 1752

RESULT 4
US-08-449-731-7
; Sequence 7, Application US/08449731
; Patent No. 6413727
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GENERAL INFORMATION:
APPLICANT: ALBERTSEN, HANS
           ANAND, RAKESH
           CARLSON, MARY
           GRODEN, JOANNA
           HEDGE, PHILIP J.
           JOSLYN, GEOFF
           KINZLER, KENNETH
           MARKHAM, ALEXANDER F.
           NAKAMURA, YUSUKE
           THLIVERIS, ANDREW
TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
                    GENE IN COLORECTAL CANCER IN HUMANS

NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
     ADDRESSEE: Banner & Allegretti, LTD
     STREET: 1001 G Street, NW
     CITY: Washington
     STATE: D.C.
     COUNTRY: USA
     ZIP: 20001-4598
COMPUTER READABLE FORM:
     MEDIUM TYPE: Floppy disk
     COMPUTER: IBM PC compatible
     OPERATING SYSTEM: PC-DOS/MS-DOS
     SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
     APPLICATION NUMBER: US/08/449,731
     FILING DATE: 25-May-1995
     CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
     APPLICATION NUMBER: 08/289,548
     FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
     NAME: Kagan, Sarah A.
     REGISTRATION NUMBER: 32,141
     REFERENCE/DOCKET NUMBER: 1107.46943
TELECOMMUNICATION INFORMATION:
     TELEPHONE: 202-508-9100
     TELEFAX: 202-508-9299
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
     LENGTH: 2842 amino acids
     TYPE: amino acid
     STRANDEDNESS: single
     TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
     ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
     CLONE: APC
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-449-731-7

Query Match     100.0%;  Score 43;  DB 2;  Length 2842;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 KIMDQVQQA 9
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Db   1744 KIMDQVQQA 1752

RESULT 5
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; Sequence 2, Application US/07741940
; Patent No. 5352775
; GENERAL INFORMATION:
;     APPLICANT: ALBERTSEN, HANS
;     APPLICANT: ANAND, RAKESH
;     APPLICANT: CARLSON, MARY
;     APPLICANT: GRODEN, JOANNA
;     APPLICANT: HEDGE, PHILIP J.

;     APPLICANT: JOSLYN, GEOFF
;     APPLICANT: KINZLER, KENNETH
;     APPLICANT: MARKHAM, ALEXANDER F.
;     APPLICANT: NAKAMURA, YUSUKE
;     APPLICANT: THLIVERIS, ANDREW
;     TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;     TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;     NUMBER OF SEQUENCES: 94
;     CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Banner, Birch, McKie & Beckett
;     STREET: 1001 G Street, NW
;     CITY: Washington
;     STATE: D.C.
;     COUNTRY: USA
;     ZIP: 20001-4598
;     COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/07/741,940
;     FILING DATE: 19920109
;     CLASSIFICATION: 435
;     ATTORNEY/AGENT INFORMATION:
;     NAME: Kagan, Sarah A.
;     REGISTRATION NUMBER: 32,141
;     REFERENCE/DOCKET NUMBER: 1107.035574
;     TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 202-508-9100
;     TELEFAX: 202-508-9299
;     INFORMATION FOR SEQ ID NO: 2:
;     SEQUENCE CHARACTERISTICS:
;     LENGTH: 2843 amino acids
;     TYPE: AMINO ACID
;     TOPOLOGY: linear
;     MOLECULE TYPE: protein
US-07-741-940-2

Query Match     100.0%;  Score 43;  DB 1;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

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Db   1745 KIMDQVQQA 1753

RESULT 6
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; Sequence 2, Application US/08289548A
; Patent No. 5648212
; GENERAL INFORMATION:
;     APPLICANT: ALBERTSEN, HANS
;     APPLICANT: ANAND, RAKESH
;     APPLICANT: CARLSON, MARY
;     APPLICANT: GRODEN, JOANNA
;     APPLICANT: HEDGE, PHILIP J.
;     APPLICANT: JOSLYN, GEOFF
;     APPLICANT: KINZLER, KENNETH
;     APPLICANT: MARKHAM, ALEXANDER F.
;     APPLICANT: NAKAMURA, YUSUKE
;     APPLICANT: THLIVERIS, ANDREW
;     TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;     TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;     NUMBER OF SEQUENCES: 102
;     CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Banner & Allegretti, LTD
;     STREET: 1001 G Street, NW
;     CITY: Washington
;     STATE: D.C.
;     COUNTRY: USA
;     ZIP: 20001-4598

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  ;     COMPUTER READABLE FORM:
  ;       MEDIUM TYPE: Floppy disk
  ;       COMPUTER: IBM PC compatible
  ;       OPERATING SYSTEM: PC-DOS/MS-DOS
  ;       SOFTWARE: PatentIn Release #1.0, Version #1.25
  ;     CURRENT APPLICATION DATA:
  ;       APPLICATION NUMBER: US/08/289,548A
  ;       FILING DATE: 12-AUG-1994
  ;       CLASSIFICATION: 435
  ;     ATTORNEY/AGENT INFORMATION:
  ;       NAME: Kagan, Sarah A.
  ;       REGISTRATION NUMBER: 32,141
  ;       REFERENCE/DOCKET NUMBER: 1107.46943
  ;     TELECOMMUNICATION INFORMATION:
  ;       TELEPHONE: 202-508-9100
  ;       TELEFAX: 202-508-9299
  ;   INFORMATION FOR SEQ ID NO: 2:
  ;     SEQUENCE CHARACTERISTICS:
  ;       LENGTH: 2843 amino acids
  ;       TYPE: amino acid
  ;       TOPOLOGY: linear
  ;     MOLECULE TYPE: protein
US-08-289-548A-2

Query Match             100.0%;  Score 43;  DB 1;  Length 2843;
Best Local Similarity   100.0%;  Pred. No. 5.7;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db       1745 KIMDQVQQA 1753

RESULT 7
US-08-452-654-2
; Sequence 2, Application US/08452654
; Patent No. 5691454
;   GENERAL INFORMATION:
;     APPLICANT: ALBERTSEN, HANS
;     APPLICANT: ANAND, RAKESH
;     APPLICANT: CARLSON, MARY
;     APPLICANT: GRODEN, JOANNA
;     APPLICANT: HEDGE, PHILIP J.
;     APPLICANT: JOSLYN, GEOFF
;     APPLICANT: KINZLER, KENNETH
;     APPLICANT: MARKHAM, ALEXANDER F.
;     APPLICANT: NAKAMURA, YUSUKE
;     APPLICANT: THLIVERIS, ANDREW
;     TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;     TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;     NUMBER OF SEQUENCES: 94
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Banner, Birch, McKie & Beckett
;       STREET: 1001 G Street, NW
;       CITY: Washington
;       STATE: D.C.
;       COUNTRY: USA
;       ZIP: 20001-4598
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/452,654
;       FILING DATE: 25-MAY-1995
;       CLASSIFICATION: 536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: US 07/741,940
;       FILING DATE: 08-AUG-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME: Kagan, Sarah A.
;       REGISTRATION NUMBER: 32,141
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  ;       REFERENCE/DOCKET NUMBER: 1107.035574
  ;     TELECOMMUNICATION INFORMATION:
  ;       TELEPHONE: 202-508-9100
  ;       TELEFAX: 202-508-9299
  ;   INFORMATION FOR SEQ ID NO: 2:
  ;     SEQUENCE CHARACTERISTICS:
  ;       LENGTH: 2843 amino acids
  ;       TYPE: amino acid
  ;       TOPOLOGY: linear
  ;     MOLECULE TYPE: protein
US-08-452-654-2

Query Match             100.0%;  Score 43;  DB 1;  Length 2843;
Best Local Similarity   100.0%;  Pred. No. 5.7;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 8
US-08-452-655B-2
; Sequence 2, Application US/08452655B
; Patent No. 5783666
;   GENERAL INFORMATION:
;     APPLICANT: ALBERTSEN, HANS
;     APPLICANT: ANAND, RAKESH
;     APPLICANT: CARLSON, MARY
;     APPLICANT: GRODEN, JOANNA
;     APPLICANT: HEDGE, PHILIP J.
;     APPLICANT: JOSLYN, GEOFF
;     APPLICANT: KINZLER, KENNETH
;     APPLICANT: MARKHAM, ALEXANDER F.
;     APPLICANT: NAKAMURA, YUSUKE
;     APPLICANT: THLIVERIS, ANDREW
;     TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;     TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;     NUMBER OF SEQUENCES: 102
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Banner & Witcoff, Ltd.
;       STREET: 1001 G Street, NW
;       CITY: Washington
;       STATE: D.C.
;       COUNTRY: USA
;       ZIP: 20001-4598
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/452,655B
;       FILING DATE: 25-MAY-1995
;       CLASSIFICATION: 530
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;       APPLICATION NUMBER: US 08/289,548
;       FILING DATE: 12-AUG-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: US 07/741,940
;       FILING DATE: 08-AUG-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME: Kagan, Sarah A.
;       REGISTRATION NUMBER: 32,141
;       REFERENCE/DOCKET NUMBER: 1107.49964
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 202-508-9100
;       TELEFAX: 202-508-9299
;   INFORMATION FOR SEQ ID NO: 2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 2843 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
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; MOLECULE TYPE: protein
US-08-452-655B-2

Query Match     100.0%;  Score 43;  DB 1;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 9
US-08-452-655B-7
; Sequence 7, Application US/08452655B
; Patent No. 5783666
; GENERAL INFORMATION:
;    APPLICANT: ALBERTSEN, HANS
;    APPLICANT: ANAND, RAKESH
;    APPLICANT: CARLSON, MARY
;    APPLICANT: GRODEN, JOANNA
;    APPLICANT: HEDGE, PHILIP J.
;    APPLICANT: JOSLYN, GEOFF
;    APPLICANT: KINZLER, KENNETH
;    APPLICANT: MARKHAM, ALEXANDER F.
;    APPLICANT: NAKAMURA, YUSUKE
;    APPLICANT: THLIVERIS, ANDREW
;    TITLE OF INVENTION: INHERITED AND SOMATIC MUTATIONS OF APC
;    TITLE OF INVENTION: GENE IN COLORECTAL CANCER IN HUMANS
;    NUMBER OF SEQUENCES: 102
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Banner & Witcoff, Ltd.
;       STREET: 1001 G Street, NW
;       CITY: Washington
;       STATE: D.C.
;       COUNTRY: USA
;       ZIP: 20001-4598
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/452,655B
;       FILING DATE: 25-MAY-1995
;       CLASSIFICATION: 530
;    PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: US 08/289,548
;       FILING DATE: 12-AUG-1994
;    PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: US 07/741,940
;       FILING DATE: 08-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;       NAME: Kagan, Sarah A.
;       REGISTRATION NUMBER: 32,141
;       REFERENCE/DOCKET NUMBER: 1107.49964
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 202-508-9100
;       TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 7:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH: 2843 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: Single
;       TOPOLOGY: linear
;    MOLECULE TYPE: protein
;    HYPOTHETICAL: YES
;    ANTI-SENSE: NO
US-08-452-655B-7

Query Match     100.0%;  Score 43;  DB 1;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 10
US-08-370-235A-2
; Sequence 2, Application US/08370235A
; Patent No. 5910418
; GENERAL INFORMATION:
;    APPLICANT: VOGELSTEIN, BERT
;    APPLICANT: KINZLER, KENNETH W.
;    APPLICANT: HILL, DAVID E.
;    APPLICANT: JOHNSON, KAREN A.
;    TITLE OF INVENTION: ANTIBODIES AND ASSAYS FOR DERMINING
;    TITLE OF INVENTION: MUTATIONS IN THE APC GENE
;    NUMBER OF SEQUENCES: 4
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE: BANNER & WITCOFF, LTD.
;       STREET: 1001 G STREET, N.W.
;       CITY: WASHINGTON
;       STATE: DC
;       COUNTRY: US
;       ZIP: 20001
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/370,235A
;       FILING DATE: 01-JAN-1995
;       CLASSIFICATION: 435
;    ATTORNEY/AGENT INFORMATION:
;       NAME: KAGAN, SARAH A.
;       REGISTRATION NUMBER: 32,141
;       REFERENCE/DOCKET NUMBER: 01107.48688
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 202 508 9100
;       TELEFAX: 202 508 9299
; INFORMATION FOR SEQ ID NO: 2:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH: 2843 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;    MOLECULE TYPE: protein
US-08-370-235A-2

Query Match     100.0%;  Score 43;  DB 1;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 11
US-08-450-582-2
; Sequence 2, Application US/08450582
; Patent No. 6114124
; GENERAL INFORMATION:
;    APPLICANT: ALBERTSEN, HANS
;    APPLICANT: ANAND, RAKESH
;    APPLICANT: CARLSON, MARY
;    APPLICANT: GRODEN, JOANNA
;    APPLICANT: HEDGE, PHILIP J.
;    APPLICANT: JOSLYN, GEOFF
;    APPLICANT: KINZLER, KENNETH
;    APPLICANT: MARKHAM, ALEXANDER F.
;    APPLICANT: NAKAMURA, YUSUKE
;    APPLICANT: THLIVERIS, ANDREW

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;  TITLE OF INVENTION:  INHERITED AND SOMATIC MUTATIONS OF APC
;  TITLE OF INVENTION:  GENE IN COLORECTAL CANCER IN HUMANS
;  NUMBER OF SEQUENCES:  102
;  CORRESPONDENCE ADDRESS:
;    ADDRESSEE:  Banner & Witcoff, Ltd.
;    STREET:  1001 G Street, NW
;    CITY:  Washington
;    STATE:  D.C.
;    COUNTRY:  USA
;    ZIP:  20001-4598
;  COMPUTER READABLE FORM:
;    MEDIUM TYPE:  Floppy disk
;    COMPUTER:  IBM PC compatible
;    OPERATING SYSTEM:  PC-DOS/MS-DOS
;    SOFTWARE:  PatentIn Release #1.0, Version #1.25
;  CURRENT APPLICATION DATA:
;    APPLICATION NUMBER:  US/08/450,582
;    FILING DATE:
;    CLASSIFICATION:  435
;  PRIOR APPLICATION DATA:
;    APPLICATION NUMBER:  US 08/452,655
;    FILING DATE:  25-MAY-1995
;    APPLICATION NUMBER:  US 08/289,548
;    FILING DATE:  12-AUG-1994
;  PRIOR APPLICATION DATA:
;    APPLICATION NUMBER:  US 07/741,940
;    FILING DATE:  08-AUG-1991
;  ATTORNEY/AGENT INFORMATION:
;    NAME:  Kagan, Sarah A.
;    REGISTRATION NUMBER:  32,141
;    REFERENCE/DOCKET NUMBER:  1107.49964
;  TELECOMMUNICATION INFORMATION:
;    TELEPHONE:  202-508-9100
;    TELEFAX:  202-508-9299
;  INFORMATION FOR SEQ ID NO: 2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2843 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-450-582-2

Query Match             100.0%;  Score 43;  DB 2;  Length 2843;
Best Local Similarity   100.0%;  Pred. No. 5.7;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         1 KIMDQVQQA 9
             |||||||||
Db      1745 KIMDQVQQA 1753

RESULT 12
US-08-450-582-7
; Sequence 7, Application US/08450582
; Patent No. 6114124
; GENERAL INFORMATION:
;   APPLICANT:  ALBERTSEN, HANS
;   APPLICANT:  ANAND, RAKESH
;   APPLICANT:  CARLSON, MARY
;   APPLICANT:  GRODEN, JOANNA
;   APPLICANT:  HEDGE, PHILIP J.
;   APPLICANT:  JOSLYN, GEOFF
;   APPLICANT:  KINZLER, KENNETH
;   APPLICANT:  MARKHAM, ALEXANDER F.
;   APPLICANT:  NAKAMURA, YUSUKE
;   APPLICANT:  THLIVERIS, ANDREW
;   TITLE OF INVENTION:  INHERITED AND SOMATIC MUTATIONS OF APC
;   TITLE OF INVENTION:  GENE IN COLORECTAL CANCER IN HUMANS
;   NUMBER OF SEQUENCES:  102
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Banner & Witcoff, Ltd.
;     STREET:  1001 G Street, NW
;     CITY:  Washington
```

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;     STATE:  D.C.
;     COUNTRY:  USA
;     ZIP:  20001-4598
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/450,582
;     FILING DATE:
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/452,655
;     FILING DATE:  25-MAY-1995
;     APPLICATION NUMBER:  US 08/289,548
;     FILING DATE:  12-AUG-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/741,940
;     FILING DATE:  08-AUG-1991
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Kagan, Sarah A.
;     REGISTRATION NUMBER:  32,141
;     REFERENCE/DOCKET NUMBER:  1107.49964
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  202-508-9100
;     TELEFAX:  202-508-9299
;   INFORMATION FOR SEQ ID NO: 7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  2843 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
;     HYPOTHETICAL:  YES
;     ANTI-SENSE:  NO
US-08-450-582-7

Query Match             100.0%;  Score 43;  DB 2;  Length 2843;
Best Local Similarity   100.0%;  Pred. No. 5.7;
  Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         1 KIMDQVQQA 9
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Db      1745 KIMDQVQQA 1753

RESULT 13
US-08-449-731-2
; Sequence 2, Application US/08449731
; Patent No. 6413727
; GENERAL INFORMATION:
;   APPLICANT:  ALBERTSEN, HANS
;               ANAND, RAKESH
;               CARLSON, MARY
;               GRODEN, JOANNA
;               HEDGE, PHILIP J.
;               JOSLYN, GEOFF
;               KINZLER, KENNETH
;               MARKHAM, ALEXANDER F.
;               NAKAMURA, YUSUKE
;               THLIVERIS, ANDREW
;   TITLE OF INVENTION:  INHERITED AND SOMATIC MUTATIONS OF APC
;                        GENE IN COLORECTAL CANCER IN HUMANS
;   NUMBER OF SEQUENCES:  102
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Banner & Allegretti, LTD
;     STREET:  1001 G Street, NW
;     CITY:  Washington
;     STATE:  D.C.
;     COUNTRY:  USA
;     ZIP:  20001-4598
;     COMPUTER READABLE FORM:
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;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/449,731
;      FILING DATE: 25-May-1995
;      CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 08/289,548
;      FILING DATE: 12-AUG-1994
;   ATTORNEY/AGENT INFORMATION:
;      NAME: Kagan, Sarah A.
;      REGISTRATION NUMBER: 32,141
;      REFERENCE/DOCKET NUMBER: 1107.46943
;   TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 202-508-9100
;      TELEFAX: 202-508-9299
US-08-449-731-2
;
; INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;      LENGTH: 2843 amino acids
;      TYPE: amino acid
;      TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-08-449-731-2

Query Match       100.0%;  Score 43;  DB 2;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy     1 KIMDQVQQA 9
           |||||||||
Db  1745 KIMDQVQQA 1753


RESULT 14
US-10-092-138A-30
; Sequence 30, Application US/10092138A
; Patent No. 6743630
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki
; TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
; TITLE OF INVENTION: BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
; FILE REFERENCE: 65823/JPW/PT
; CURRENT APPLICATION NUMBER: US/10/092,138A
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
;   LENGTH: 2843
;   TYPE: PRT
;   ORGANISM: human
US-10-092-138A-30

Query Match       100.0%;  Score 43;  DB 2;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy     1 KIMDQVQQA 9
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Db  1745 KIMDQVQQA 1753


RESULT 15
US-09-538-092-1007
; Sequence 1007, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
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;   CURRENT APPLICATION NUMBER: US/09/538,092
;   CURRENT FILING DATE: 2000-03-29
;   PRIOR APPLICATION NUMBER: 60/127,352
;   PRIOR FILING DATE: 1999-04-01
;   PRIOR APPLICATION NUMBER: 60/178,965
;   PRIOR FILING DATE: 2000-02-01
;   NUMBER OF SEQ ID NOS: 1387
;   SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1007
;   LENGTH: 2843
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (0)..(0)
;   OTHER INFORMATION: Polypeptide Accession Number P25054
US-09-538-092-1007

Query Match       100.0%;  Score 43;  DB 2;  Length 2843;
Best Local Similarity  100.0%;  Pred. No. 5.7;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy     1 KIMDQVQQA 9
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Db  1745 KIMDQVQQA 1753


Search completed: February  7, 2006, 12:49:35
Job time : 21.4894 secs
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                GenCore version 5.1.7
        Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:    February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
                                       (without alignments)
                              58.015 Million cell updates/sec

Title:          US-10-006-177A-1
Perfect score:  43
Sequence:       1 KIMDQVQQA 9

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:    1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Published Applications AA Main:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
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| 1 | 43 | 100.0 | 9 | 4 | US-10-006-177-1 | Sequence 1, Appli |
| 2 | 43 | 100.0 | 902 | 5 | US-10-450-763-39694 | Sequence 39694, A |
| 3 | 43 | 100.0 | 912 | 3 | US-09-987-482-2 | Sequence 2, Appli |
| 4 | 43 | 100.0 | 2843 | 2 | US-08-681-219-32 | Sequence 32, Appli |
| 5 | 43 | 100.0 | 2843 | 3 | US-09-987-482-1 | Sequence 1, Appli |
| 6 | 43 | 100.0 | 2843 | 3 | US-09-230-111C-30 | Sequence 30, Appl |
| 7 | 43 | 100.0 | 2843 | 4 | US-10-092-138-30 | Sequence 30, Appl |
| 8 | 43 | 100.0 | 2843 | 4 | US-10-392-113-21 | Sequence 21, Appl |
| 9 | 43 | 100.0 | 2843 | 4 | US-10-408-765A-1970 | Sequence 1970, Ap |
| 10 | 43 | 100.0 | 2843 | 5 | US-10-820-403-30 | Sequence 30, Appl |
| 11 | 43 | 100.0 | 2844 | 4 | US-10-267-502-370 | Sequence 370, App |
| 12 | 43 | 100.0 | 2845 | 4 | US-10-267-502-372 | Sequence 372, App |
| 13 | 37 | 86.0 | 348 | 4 | US-10-282-122A-64196 | Sequence 64196, A |
| 14 | 35 | 81.4 | 817 | 4 | US-10-369-493-18772 | Sequence 18772, A |
| 15 | 35 | 81.4 | 821 | 4 | US-10-369-493-2791 | Sequence 2791, Ap |
| 16 | 35 | 81.4 | 821 | 5 | US-10-732-923-6941 | Sequence 6941, Ap |
| 17 | 35 | 81.4 | 824 | 5 | US-10-732-923-7015 | Sequence 7015, Ap |
| 18 | 35 | 81.4 | 839 | 5 | US-10-732-923-6928 | Sequence 6928, Ap |
| 19 | 34 | 79.1 | 177 | 3 | US-09-812-350-5 | Sequence 5, Appli |
| 20 | 34 | 79.1 | 177 | 5 | US-10-732-923-6732 | Sequence 6732, Ap |
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| 22 | 34 | 79.1 | 809 | 3 | US-09-369-493-16530 | Sequence 16530, A |
| 23 | 34 | 79.1 | 810 | 3 | US-09-815-242-5586 | Sequence 5586, Ap |
| 24 | 34 | 79.1 | 810 | 4 | US-10-369-493-23050 | Sequence 23050, A |
| 25 | 34 | 79.1 | 810 | 5 | US-10-732-923-7056 | Sequence 7056, Ap |
| 26 | 34 | 79.1 | 811 | 4 | US-10-282-122A-45773 | Sequence 45773, A |
| 27 | 34 | 79.1 | 811 | 5 | US-10-732-923-7004 | Sequence 7004, Ap |
| 28 | 34 | 79.1 | 811 | 5 | US-10-732-923-7067 | Sequence 7067, Ap |
| 29 | 34 | 79.1 | 813 | 5 | US-10-369-493-17101 | Sequence 17101, A |
| 30 | 34 | 79.1 | 813 | 5 | US-10-732-923-7201 | Sequence 7201, Ap |
| 31 | 34 | 79.1 | 818 | 3 | US-09-815-242-12424 | Sequence 12424, A |
| 32 | 34 | 79.1 | 818 | 4 | US-09-815-242-12789 | Sequence 12789, A |
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| 35 | 34 | 79.1 | 818 | 4 | US-10-732-923-7010 | Sequence 7010, Ap |
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| 37 | 34 | 79.1 | 820 | 5 | US-10-732-923-6979 | Sequence 6979, Ap |
| 38 | 34 | 79.1 | 820 | 5 | US-10-732-923-6982 | Sequence 6982, Ap |
| 39 | 34 | 79.1 | 825 | 5 | US-10-732-923-6975 | Sequence 6975, Ap |
| 40 | 33 | 76.7 | 1443 | 4 | US-10-437-963-114387 | Sequence 114387, |
| 41 | 33 | 74.4 | 272 | 3 | US-09-925-297-661 | Sequence 661, App |
| 42 | 32 | 74.4 | 392 | 4 | US-10-181-071-5 | Sequence 5, Appli |
| 43 | 32 | 74.4 | 513 | 5 | US-10-739-930-6710 | Sequence 6710, Ap |
| 44 | 32 | 74.4 | 648 | 4 | US-10-032-585-7540 | Sequence 7540, Ap |
| 45 | 32 | 74.4 | 707 | 4 | US-10-437-963-145806 | Sequence 145806, |

ALIGNMENTS

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RESULT 1
US-10-006-177-1
; Sequence 1, Application US/10006177
; Publication No. US2003016551A1
; GENERAL INFORMATION:
;   APPLICANT: Ramakrishna, Venky
;   APPLICANT: Ross, Mark
;   APPLICANT: Philip, Ramila
;   TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
;   TITLE OF INVENTION: Diagnosis of Cancer
;   FILE REFERENCE: 26747-35
;   CURRENT APPLICATION NUMBER: US/10/006,177
;   CURRENT FILING DATE: 2001-12-04
;   PRIOR APPLICATION NUMBER: US/60/251,022
;   PRIOR FILING DATE: 2000-12-04
;   PRIOR APPLICATION NUMBER: US/60/256,824
;   PRIOR FILING DATE: 2000-12-20
;   NUMBER OF SEQ ID NOS: 20
;   SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 9
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Epitopic Peptide
US-10-006-177-1

  Query Match             100.0%;  Score 43;  DB 4;  Length 9;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+06;
  Matches    9;  Conservative    0;  Mismatches   0;  Indels    0;  Gaps    0;

Qy          1 KIMDQVQQA 9
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Db          1 KIMDQVQQA 9


RESULT 2
US-10-450-763-39694
; Sequence 39694, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
;   APPLICANT: Hyseq, Inc
;   TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;   FILE REFERENCE: 790CIP3/US
;   CURRENT APPLICATION NUMBER: US/10/450,763
;   CURRENT FILING DATE: 2003-06-11
;   PRIOR APPLICATION NUMBER: PCT/US01/08631
;   PRIOR FILING DATE: 2001-03-30
;   PRIOR APPLICATION NUMBER: 09/540,217
;   PRIOR FILING DATE: 2000-03-31
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;   PRIOR APPLICATION NUMBER: 09/649,167
;   PRIOR FILING DATE: 2000-08-23
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;   SOFTWARE: Custom
;   SEQ ID NO 39694
;   LENGTH: 902
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: DOMAIN
;   LOCATION: (73)..(107)
;   OTHER INFORMATION: Armadillo/beta-catenin-like repeat proteins domain identified
;   OTHER INFORMATION: by eMATRIX, accession number PF00514C, p-value=5.250e-17, raw
;   OTHER INFORMATION: score of 24.37
US-10-450-763-39694

Query Match             100.0%;  Score 43;  DB 5;  Length 902;
Best Local Similarity   100.0%;  Pred. No. 8.5;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KIMDQVQQA 9
              |||||||||
Db        277 KIMDQVQQA 285


RESULT 3
US-09-987-482-2
; Sequence 2, Application US/09987482
; Publication No. US2002018465A1
; GENERAL INFORMATION:
; APPLICANT: BHANDARI, POONAM
; APPLICANT: SHASHIDHARA, L.S.
; TITLE OF INVENTION: IN VIVO ASSAY SYSTEM FOR SCREENING AND VALIDATION OF
; TITLE OF INVENTION: DRUGS AND OTHER SUBSTANCES
; FILE REFERENCE: 056859-0134
; CURRENT APPLICATION NUMBER: US/09/987,482
; CURRENT FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-987-482-2

Query Match             100.0%;  Score 43;  DB 3;  Length 912;
Best Local Similarity   100.0%;  Pred. No. 8.6;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KIMDQVQQA 9
              |||||||||
Db        787 KIMDQVQQA 795


RESULT 4
US-08-681-219-32
; Sequence 32, Application US/08681219
; Publication No. US2002058607A1
; GENERAL INFORMATION:
;   APPLICANT: Takaaki Sato and Junn Yanagisawa
;   TITLE OF INVENTION: COMPOUNDS THAT INHIBIT THE INTERACTION BETWEEN
;   TITLE OF INVENTION: SIGNAL-TRANSDUCING PROTEINS AND THE GLGF
;   TITLE OF INVENTION: (PDZ/DHR) DOMAIN AND USES THEREOF
;   NUMBER OF SEQUENCES:   35
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Cooper & Dunham LLP
;   STREET:  1185 Avenue of the Americas
;   CITY:  New York
;   STATE:  New York
;   COUNTRY:  U.S.A.
;   ZIP:  10036
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
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;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/681,219
;   FILING DATE: 22-JUL-1996
;   CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;   NAME: White, John P
;   REGISTRATION NUMBER:  28,678
;   REFERENCE/DOCKET NUMBER: 0575/48962/JPW/JKM
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (212) 278-0400
;   TELEFAX:  (212) 391-0525
;   INFORMATION FOR SEQ ID NO: 32:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 2843 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: peptide
US-08-681-219-32

Query Match             100.0%;  Score 43;  DB 2;  Length 2843;
Best Local Similarity   100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KIMDQVQQA 9
              |||||||||
Db       1745 KIMDQVQQA 1753


RESULT 5
US-09-987-482-1
; Sequence 1, Application US/09987482
; Publication No. US2002018465A1
; GENERAL INFORMATION:
; APPLICANT: BHANDARI, POONAM
; APPLICANT: SHASHIDHARA, L.S.
; TITLE OF INVENTION: IN VIVO ASSAY SYSTEM FOR SCREENING AND VALIDATION OF
; TITLE OF INVENTION: DRUGS AND OTHER SUBSTANCES
; FILE REFERENCE: 056859-0134
; CURRENT APPLICATION NUMBER: US/09/987,482
; CURRENT FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-987-482-1

Query Match             100.0%;  Score 43;  DB 3;  Length 2843;
Best Local Similarity   100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KIMDQVQQA 9
              |||||||||
Db       1745 KIMDQVQQA 1753


RESULT 6
US-09-230-111C-30
; Sequence 30, Application US/09230111C
; Publication No. US2003020341A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki
; APPLICANT: Yanagisawa, Junn
; TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN
; TITLE OF INVENTION: SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)
; TITLE OF INVENTION: DOMAIN AND USES THEREOF
; FILE REFERENCE: 48962-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/230,111C
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; CURRENT FILING DATE: 1999-05-17
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: human
US-09-230-111C-30

Query Match          100.0%;   Score 43;  DB 3;  Length 2843;
Best Local Similarity 100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 7
US-10-092-138-30
; Sequence 30, Application US/10092138
; Publication No. US20030170723A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki
; TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
; TITLE OF INVENTION: BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
; FILE REFERENCE: 65823/JPW/PT
; CURRENT APPLICATION NUMBER: US/10/092,138
; CURRENT FILING DATE: 2002-09-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: human
US-10-092-138-30

Query Match          100.0%;   Score 43;  DB 4;  Length 2843;
Best Local Similarity 100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 8
US-10-392-113-21
; Sequence 21, Application US/10392113
; Publication No. US20030224993A1
; GENERAL INFORMATION:
; APPLICANT: Land, Hartmut
; APPLICANT: Deleu, Laurent
; TITLE OF INVENTION: COMPOSITIONS THAT INHIBIT PROLIFERATION
; TITLE OF INVENTION: OF CANCER CELLS
; FILE REFERENCE: 21108.0005U3
; CURRENT APPLICATION NUMBER: US/10/392,113
; CURRENT FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/365,078
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: PCT/US01/32127
; PRIOR FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/239,705
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/Note =
; OTHER INFORMATION: Synthetic Construct

US-10-392-113-21

Query Match          100.0%;   Score 43;  DB 4;  Length 2843;
Best Local Similarity 100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 9
US-10-408-765A-1970
; Sequence 1970, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1970
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1970

Query Match          100.0%;   Score 43;  DB 4;  Length 2843;
Best Local Similarity 100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 10
US-10-820-403-30
; Sequence 30, Application US/10820403
; Publication No. US20040229287A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Taka-Aki
; TITLE OF INVENTION: METHOD OF PREPARING A PROTEIN ARRAY BASED ON
; TITLE OF INVENTION: BIOCHEMICAL PROTEIN-PROTEIN INTERACTION
; FILE REFERENCE: 65823/JPW/PT
; CURRENT APPLICATION NUMBER: US/10/820,403
; CURRENT FILING DATE: 2004-04-08
; PRIOR APPLICATION NUMBER: US/10/092,138
; PRIOR FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 2843
; TYPE: PRT
; ORGANISM: human
US-10-820-403-30

Query Match          100.0%;   Score 43;  DB 5;  Length 2843;
Best Local Similarity 100.0%;  Pred. No. 29;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 KIMDQVQQA 9
          |||||||||
Db   1745 KIMDQVQQA 1753

RESULT 11
US-10-267-502-370
; Sequence 370, Application US/10267502
; Publication No. US2004071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 370
; LENGTH: 2844
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-267-502-370

Query Match          100.0%;    Score 43;  DB 4;   Length 2844;
Best Local Similarity  100.0%;  Pred. No. 29;
Matches       9; Conservative    0; Mismatches    0; Indels   0; Gaps   0;

Qy         1 KIMDQVQQA 9
             |||||||||
Db      1746 KIMDQVQQA 1754

RESULT 12
US-10-267-502-372
; Sequence 372, Application US/10267502
; Publication No. US2004071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 372
; LENGTH: 2845
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-267-502-372

Query Match          100.0%;    Score 43;  DB 4;   Length 2845;
Best Local Similarity  100.0%;  Pred. No. 29;
Matches       9; Conservative    0; Mismatches    0; Indels   0; Gaps   0;

Qy         1 KIMDQVQQA 9
             |||||||||
Db      1743 KIMDQVQQA 1751

RESULT 13
US-10-282-122A-64196
; Sequence 64196, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64196
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Mycoplasma pneumoniae
US-10-282-122A-64196

Query Match           86.0%;    Score 37;  DB 4;   Length 348;
Best Local Similarity  77.8%;   Pred. No. 46;
Matches       7; Conservative    2; Mismatches    0; Indels   0; Gaps   0;

Qy         1 KIMDQVQQA 9
             |::||||||
Db        16 KLVDQVQQA 24

RESULT 14
US-10-369-493-18772
; Sequence 18772, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 18772
; LENGTH: 817
; TYPE: PRT
; ORGANISM: Anabaena PCC7120
US-10-369-493-18772

Query Match           81.4%;    Score 35;  DB 4;   Length 817;
Best Local Similarity  66.7%;   Pred. No. 2.9e+02;
Matches       6; Conservative    3; Mismatches    0; Indels   0; Gaps   0;

Qy         1 KIMDQVQQA 9

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Db          262 KIMDEIRQA 270
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RESULT 15
US-10-369-493-2791
; Sequence 2791, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
;  APPLICANT: Cao, Yongwei
;  APPLICANT: Hinkle, Gregory J.
;  APPLICANT: Slater, Steven C.
;  APPLICANT: Goldman, Barry S.
;  APPLICANT: Chen, Xianfeng
;  TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
;  TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
;  FILE REFERENCE: 38-10(52052)B
;  CURRENT APPLICATION NUMBER: US/10/369,493
;  CURRENT FILING DATE: 2003-02-28
;  PRIOR APPLICATION NUMBER: US 60/360,039
;  PRIOR FILING DATE: 2002-02-21
;  NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 2791
;  LENGTH: 821
;  TYPE: PRT
;  ORGANISM: Synechocystis sp.
US-10-369-493-2791

Query Match             81.4%;  Score 35;  DB 4;  Length 821;
Best Local Similarity   66.7%;  Pred. No. 2.9e+02;
Matches    6;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KIMDQVQQA 9
              |||||:::||
Db        263 KIMDEIRQA 271

Search completed: February 7, 2006, 13:47:27
Job time : 64.9191 secs

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           GenCore version 5.1.7
           Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:        February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
                                            (without alignments)
                                            24.478 Million cell updates/sec

Title:         US-10-006-177A-1
Perfect score: 43
Sequence:      1 KIMDQVQQA 9

Scoring table: BLOSUM62
               Gapop 10.0 , Gapext 0.5

Searched:      88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:      88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :     Published Applications_AA_New:*
               1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
               2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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               6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
               7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
               8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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## SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 34 | 79.1 | 488 | 6 | US-10-485-517-307 | Sequence 307, App |
| 2 | 30 | 69.8 | 208 | 7 | US-11-114-922-84 | Sequence 84, Appl |
| 3 | 30 | 69.8 | 263 | 6 | US-10-793-626-1418 | Sequence 1418, Ap |
| 4 | 29 | 67.4 | 298 | 6 | US-10-467-657-1274 | Sequence 1274, Ap |
| 5 | 29 | 67.4 | 363 | 7 | US-11-074-176-296 | Sequence 296, App |
| 6 | 29 | 67.4 | 560 | 6 | US-10-763-712A-79 | Sequence 79, Appl |
| 7 | 29 | 67.4 | 817 | 6 | US-10-793-626-50 | Sequence 50, Appl |
| 8 | 29 | 67.4 | 817 | 6 | US-10-793-626-1528 | Sequence 1528, Ap |
| 9 | 29 | 67.4 | 1206 | 6 | US-10-763-712A-18 | Sequence 18, Appl |
| 10 | 29 | 67.4 | 1206 | 6 | US-10-763-712A-99 | Sequence 99, Appl |
| 11 | 28.5 | 66.3 | 350 | 6 | US-10-131-826A-518 | Sequence 518, App |
| 12 | 28 | 65.1 | 128 | 6 | US-10-821-234-1530 | Sequence 1530, Ap |
| 13 | 28 | 65.1 | 137 | 7 | US-11-165-067A-11 | Sequence 11, Appl |
| 14 | 28 | 65.1 | 245 | 6 | US-10-878-556A-142 | Sequence 142, App |
| 15 | 28 | 65.1 | 489 | 6 | US-10-858-730-198 | Sequence 198, App |
| 16 | 28 | 65.1 | 489 | 7 | US-11-055-822-1152 | Sequence 1152, Ap |
| 17 | 28 | 65.1 | 539 | 6 | US-10-793-626-888 | Sequence 888, App |
| 18 | 27 | 62.8 | 65 | 6 | US-10-467-657-5106 | Sequence 5106, Ap |
| 19 | 27 | 62.8 | 142 | 7 | US-11-129-143-160 | Sequence 160, App |
| 20 | 27 | 62.8 | 199 | 6 | US-10-467-657-8058 | Sequence 8058, Ap |
| 21 | 27 | 62.8 | 228 | 7 | US-11-074-176-136 | Sequence 136, App |
| 22 | 27 | 62.8 | 430 | 7 | US-11-055-822-960 | Sequence 960, App |
| 23 | 27 | 62.8 | 445 | 6 | US-10-467-657-4578 | Sequence 4578, Ap |
| 24 | 27 | 62.8 | 463 | 6 | US-10-755-092-25 | Sequence 25, Appl |
| 25 | 27 | 62.8 | 697 | 7 | US-11-052-554A-110 | Sequence 110, App |
| 26 | 27 | 62.8 | 734 | 6 | US-10-652-893-2 | Sequence 2, Appli |
| 27 | 27 | 62.8 | 734 | 7 | US-11-137-465-65 | Sequence 65, Appl |
| 28 | 27 | 62.8 | 881 | 7 | US-11-169-041-195 | Sequence 195, App |
| 29 | 27 | 62.8 | 1300 | 7 | US-11-052-554A-125 | Sequence 125, App |
| 30 | 27 | 62.8 | 1404 | 6 | US-10-878-556A-169 | Sequence 169, App |
| 31 | 27 | 62.8 | 1614 | 6 | US-10-821-234-903 | Sequence 903, App |
| 32 | 27 | 62.8 | 5024 | 6 | US-10-793-626-2964 | Sequence 2964, Ap |
| 33 | 26.5 | 61.6 | 296 | 6 | US-10-793-626-1674 | Sequence 1674, Ap |
| 34 | 26 | 60.5 | 193 | 6 | US-10-714-887-360 | Sequence 360, App |
| 35 | 26 | 60.5 | 197 | 7 | US-11-215-658-7 | Sequence 7, Appli |
| 36 | 26 | 60.5 | 199 | 7 | US-11-215-658-13 | Sequence 13, Appl |
| 37 | 26 | 60.5 | 208 | 6 | US-10-793-626-694 | Sequence 694, App |
| 38 | 26 | 60.5 | 208 | 6 | US-10-793-626-1326 | Sequence 1326, Ap |
| 39 | 26 | 60.5 | 231 | 7 | US-11-005-658-6 | Sequence 6, Appli |
| 40 | 26 | 60.5 | 259 | 7 | US-11-075-185-24 | Sequence 24, Appl |
| 41 | 26 | 60.5 | 262 | 6 | US-11-009-658-2 | Sequence 2, Appli |
| 42 | 26 | 60.5 | 371 | 6 | US-11-009-658-28 | Sequence 28, Appl |
| 43 | 26 | 60.5 | 384 | 6 | US-10-858-730-216 | Sequence 216, App |
| 44 | 26 | 60.5 | 397 | 6 | US-10-858-730-29 | Sequence 29, Appl |
| 45 | 26 | 60.5 | 398 | 6 | US-10-467-657-1966 | Sequence 1966, Ap |

## ALIGNMENTS

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RESULT 1
US-10-485-517-307
; Sequence 307, Application US/10485517
; Publication No. US20050256299A1
; GENERAL INFORMATION:
;  APPLICANT: University of Sheffield
;  APPLICANT: Biosynexus Incorporated
;  APPLICANT: Foster, Simon
;  APPLICANT: Mond, James
;  TITLE OF INVENTION: Antigenic Polypeptides
;  FILE REFERENCE: P10629WO
;  CURRENT APPLICATION NUMBER: US/10/485,517
;  CURRENT FILING DATE: 2004-02-02
;  PRIOR APPLICATION NUMBER: GB 0118825.9
;  PRIOR FILING DATE: 2001-08-02
;  PRIOR APPLICATION NUMBER: GB 0200349.9
;  PRIOR FILING DATE: 2002-01-09
;  NUMBER OF SEQ ID NOS: 424
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 307
;  LENGTH: 488
;  TYPE: PRT
;  ORGANISM: Staphylococcus aureus
US-10-485-517-307

  Query Match             79.1%;  Score 34;  DB 6;  Length 488;
  Best Local Similarity   55.6%;  Pred. No. 9;
  Matches    5;  Conservative    5;  Mismatches    4;  Indels    0;  Gaps    0;

Qy          1 KIMDQVQQA 9
              |:|::||||
Db         84 KVMEEIQQA 92

RESULT 2
US-11-114-922-84
; Sequence 84, Application US/11114922
; Publication No. US20050288260A1
; GENERAL INFORMATION:
;  APPLICANT: HICKS, PAULA M.
;  APPLICANT: MCFARLAN, SARA C.
;  TITLE OF INVENTION: POLYPEPTIDES AND BIOSYNTHETIC PATHWAYS FOR THE
;  TITLE OF INVENTION: PRODUCTION OF MONATIN AND ITS PRECURSORS
;  FILE REFERENCE: 023829-0396
;  CURRENT APPLICATION NUMBER: US/11/114,922
;  CURRENT FILING DATE: 2005-04-26
;  PRIOR APPLICATION NUMBER: 10/422,366
;  PRIOR FILING DATE: 2003-04-23
```

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; PRIOR APPLICATION NUMBER: 60/374,831
; PRIOR FILING DATE: 2002-04-23
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 84
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Zymomonas mobilis
US-11-114-922-84

Query Match             69.8%;    Score 30;  DB 7;  Length 208;
Best Local Similarity   55.6%;    Pred. No. 22;
Matches     5; Conservative    3; Mismatches    1; Indels    0; Gaps    0;

Qy       1 KIMDQVQQA 9
           |:||||:|
Db      73 KMLDQAQEA 81


RESULT 3
US-10-793-626-1418
; Sequence 1418, Application US/10793626
; Publication No. US2005025478A1
; GENERAL INFORMATION:
; APPLICANT: KIMBERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1418
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-10-793-626-1418

Query Match             69.8%;    Score 30;  DB 6;  Length 263;
Best Local Similarity   62.5%;    Pred. No. 29;
Matches     5; Conservative    3; Mismatches    3; Indels    0; Gaps    0;

Qy       1 KIMDQVQQ 8
           ||||:|:|
Db     254 RIMDEVEQ 261


RESULT 4
US-10-467-657-1274
; Sequence 1274, Application US/10467657
; Publication No. US2005026058A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1274
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1274

Query Match             67.4%;    Score 29;  DB 6;  Length 298;
Best Local Similarity   75.0%;    Pred. No. 54;
Matches     6; Conservative    1; Mismatches    1; Indels    0; Gaps    0;

Qy       1 KIMDQVQQ 8
           |:|||||
Db      83 KKLDQVQQ 90


RESULT 5
US-11-074-176-296
; Sequence 296, Application US/11074176
; Publication No. US2005025013A1
; GENERAL INFORMATION:
; APPLICANT: Klaenhammer, Todd R.
; APPLICANT: Russell, William M.
; APPLICANT: Altermann, Eric
; APPLICANT: McAuliffe, Olivia
; APPLICANT: Peril, Andrea Azcarate
; TITLE OF INVENTION: Nucleic Acid Sequences Encoding
; TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
; FILE REFERENCE: 5051-694
; CURRENT APPLICATION NUMBER: US/11/074,176
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/551,161
; PRIOR FILING DATE: 2004-03-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 296
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Lactobacillus acidophilus
US-11-074-176-296

Query Match             67.4%;    Score 29;  DB 7;  Length 363;
Best Local Similarity   55.6%;    Pred. No. 67;
Matches     5; Conservative    3; Mismatches    3; Indels    0; Gaps    0;

Qy       1 KIMDQVQQA 9
           |:|||:|||
Db     318 KVQEQVRQA 326


RESULT 6
US-10-763-712A-79
; Sequence 79, Application US/10763712A
; Publication No. US2005026654A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 79
; LENGTH: 560
; TYPE: PRT
; ORGANISM: Cryptosporidium parvum
US-10-763-712A-79

Query Match             67.4%;    Score 29;  DB 6;  Length 560;
Best Local Similarity   55.6%;    Pred. No. 1.1e+02;
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Matches      5;  Conservative      3;  Mismatches      1;  Indels      0;  Gaps      0;

Qy      1 KIMDQVQQA 9
          |:|:||:|
Db    487 KFIDEVQEA 495

RESULT 7
US-10-793-626-50
; Sequence 50, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 50
;   LENGTH: 817
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: amino acid sequence
US-10-793-626-50

Query Match             67.4%;  Score 29;  DB 6;  Length 817;
Best Local Similarity   44.4%;  Pred. No. 1.7e+02;
Matches      4;  Conservative      4;  Mismatches      4;  Indels      1;  Gaps      0;

Qy      1 KIMDQVQQA 9
          |:|:::||
Db    263 KVMEEIHQA 271

RESULT 8
US-10-793-626-1528
; Sequence 1528, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1528
;   LENGTH: 817
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: amino acid sequence
US-10-793-626-1528

Query Match             67.4%;  Score 29;  DB 6;  Length 817;
Best Local Similarity   44.4%;  Pred. No. 1.7e+02;
Matches      4;  Conservative      4;  Mismatches      4;  Indels      1;  Gaps      0;

Qy      1 KIMDQVQQA 9
          |:|:::||
Db    263 KVMEEIHQA 271

RESULT 9
US-10-763-712A-18
; Sequence 18, Application US/10763712A
; Publication No. US20050266541A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
;   LENGTH: 1206
;   TYPE: PRT
;   ORGANISM: Nyctotherus ovalis
US-10-763-712A-18

Query Match             67.4%;  Score 29;  DB 6;  Length 1206;
Best Local Similarity   55.6%;  Pred. No. 2.6e+02;
Matches      5;  Conservative      3;  Mismatches      3;  Indels      1;  Gaps      0;

Qy      1 KIMDQVQQA 9
          |:|| ::||
Db    527 KVMDIIKQA 535

RESULT 10
US-10-763-712A-99
; Sequence 99, Application US/10763712A
; Publication No. US20050266541A1
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 99
;   LENGTH: 1206
;   TYPE: PRT
;   ORGANISM: Nyctotherus ovalis
US-10-763-712A-99

Query Match             67.4%;  Score 29;  DB 6;  Length 1206;
Best Local Similarity   55.6%;  Pred. No. 2.6e+02;
Matches      5;  Conservative      3;  Mismatches      3;  Indels      1;  Gaps      0;

Qy      1 KIMDQVQQA 9
          |:|| ::||
Db    527 KVMDIIKQA 535

RESULT 11
US-10-131-826A-518
; Sequence 518, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:

; ; APPLICANT: Baker,Kevin P.
; ; APPLICANT: Beresini,Maureen
; ; APPLICANT: DeForge,Laura
; ; APPLICANT: Desnoyers,Luc
; ; APPLICANT: Filvaroff,Ellen
; ; APPLICANT: Gao,Wei-Qiang
; ; APPLICANT: Gerritsen,Mary E.
; ; APPLICANT: Goddard,Audrey
; ; APPLICANT: Godowski,Paul J.
; ; APPLICANT: Gurney,Austin L.
; ; APPLICANT: Sherwood,Steven
; ; APPLICANT: Smith,Victoria
; ; APPLICANT: Stewart,Timothy A.
; ; APPLICANT: Tumas,Daniel
; ; APPLICANT: Watanabe,Colin K
; ; APPLICANT: Wood,William
; ; APPLICANT: Zhang, Zemin
; ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; ; FILE REFERENCE: P3330R1C128
; ; CURRENT APPLICATION NUMBER: US/10/131,826A
; ; CURRENT FILING DATE: 2002-04-24
; ; PRIOR APPLICATION NUMBER: 60/049911
; ; PRIOR FILING DATE: 1997-06-18
; ; PRIOR APPLICATION NUMBER: 60/056974
; ; PRIOR FILING DATE: 1997-08-26
; ; PRIOR APPLICATION NUMBER: 60/059113
; ; PRIOR FILING DATE: 1997-09-17
; ; PRIOR APPLICATION NUMBER: 60/059115
; ; PRIOR FILING DATE: 1997-09-17
; ; PRIOR APPLICATION NUMBER: 60/059117
; ; PRIOR FILING DATE: 1997-09-17
; ; PRIOR APPLICATION NUMBER: 60/059122
; ; PRIOR FILING DATE: 1997-09-17
; ; PRIOR APPLICATION NUMBER: 60/059184
; ; PRIOR FILING DATE: 1997-09-17
; ; PRIOR APPLICATION NUMBER: 60/059263
; ; PRIOR FILING DATE: 1997-09-18
; ; PRIOR APPLICATION NUMBER: 60/059352
; ; PRIOR FILING DATE: 1997-09-19
; ; PRIOR APPLICATION NUMBER: 60/059588
; ; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 518
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-518

Query Match        66.3%;    Score 28.5;    DB 6;    Length 350;
Best Local Similarity    66.7%;    Pred. No. 81;
Matches    8;    Conservative    1;    Mismatches    1;    Indels    0;    Gaps    3;

Qy        1 KIMD--QVQQA 9
            |||:| |||||
Db      229 KILDINSQVQQA 240

RESULT 12
US-10-821-234-1530
; Sequence 1530, Application US10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047

; ; PRIOR FILING DATE: 2003-04-07
; ; NUMBER OF SEQ ID NOS: 1704
; ; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1530
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1530

Query Match        65.1%;    Score 28;    DB 6;    Length 128;
Best Local Similarity    55.6%;    Pred. No. 33;
Matches    5;    Conservative    3;    Mismatches    1;    Indels    0;    Gaps    0;

Qy        1 KIMDQVQQA 9
            |:::| |||:
Db       21 KLLDLVQQS 29

RESULT 13
US-11-165-067A-11
; Sequence 11, Application US/11165067A
; Publication No. US20060014257A1
; GENERAL INFORMATION:
; APPLICANT:    KATASHKINA Joanna Yosifovna
; APPLICANT:    SKOROKHODOVA Aleksandra Yurievna
; APPLICANT:    ZIMENKOV Danila Vadimovich
; APPLICANT:    GULEVICH Andrey Yurievich
; APPLICANT:    ERRAIS Lopes Lubov
; APPLICANT:    BIRYUKOVA Irina Vladimirovna
; APPLICANT:    MIRONOV Aleksandr Sergeevich
; APPLICANT:    MASHKO Sergei Vladimirovich
; TITLE OF INVENTION: RSF1010 DERIVATIVE Mob- PLASMID CONTAINING NO ANTIBIOTIC RESISTAN
; TITLE OF INVENTION: BACTERIUM COMPRISING THE VECTOR AND METHOD FOR PRODUCING USEFUL
; FILE REFERENCE: US-174
; CURRENT APPLICATION NUMBER: US/11/165,067A
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: RU2004119027
; PRIOR FILING DATE: 2004-06-24
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 11
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Escherichia coli
US-11-165-067A-11

Query Match        65.1%;    Score 28;    DB 7;    Length 137;
Best Local Similarity    55.6%;    Pred. No. 36;
Matches    5;    Conservative    2;    Mismatches    2;    Indels    0;    Gaps    0;

Qy        1 KIMDQVQQA 9
            ::| |||:
Db       36 QVMSQTQQA 44

RESULT 14
US-10-878-556A-142
; Sequence 142, Application US/10878556A
; Publication No. US20050266399A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann La-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 142
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: s_hum/143z_human

; DATABASE ENTRY DATE: 1992-12-01
US-10-878-556A-142

Query Match          65.1%;    Score 28;   DB 6;   Length 245;
Best Local Similarity  75.0%;   Pred. No. 69;
Matches    6;  Conservative  1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy        2 IMDQVQQA 9
            |:||.|||
Db      141 IVDQSQQA 148

RESULT 15
US-10-858-730-198
; Sequence 198, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
;  APPLICANT: Bailey, Richard B.
;  APPLICANT: Blomquist, Paul
;  APPLICANT: Doten, Reed
;  APPLICANT: Driggers, Edward M.
;  APPLICANT: Madden, Kevin T.
;  APPLICANT: O'Leary, Jessica
;  APPLICANT: O'Toole, George
;  APPLICANT: Trueheart, Joshua
;  APPLICANT: Walbridge, Michael J.
;  APPLICANT: Yorgey, Peter S.
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
;  TITLE OF INVENTION: PRODUCTION
;  FILE REFERENCE: 14184-030001
;  CURRENT APPLICATION NUMBER: US/10/858,730
;  CURRENT FILING DATE:  2004-06-01
;  PRIOR APPLICATION NUMBER: US 60/475,000
;  PRIOR FILING DATE: 2003-05-30
;  PRIOR APPLICATION NUMBER: US 60/551,860
;  PRIOR FILING DATE: 2004-03-10
;  NUMBER OF SEQ ID NOS: 364
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 198
;  LENGTH: 489
;  TYPE: PRT
;  ORGANISM: Coryne-bacterium glutamicum
US-10-858-730-198

Query Match          65.1%;    Score 28;   DB 6;   Length 489;
Best Local Similarity  44.4%;   Pred. No. 1.5e+02;
Matches    4;  Conservative  5;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 KIMDQVQQA 9
            ||:|:::|:
Db      138 KILDELEQS 146

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Job time : 4.40851 secs

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               Copyright    GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on:      February 7, 2006, 12:45:47 ; Search time 22.766 Seconds
                                          (without alignments)
                                          36.315 Million cell updates/sec

Title:          US-10-006-177A-2
Perfect score:  53
Sequence:       1 RLQEDPPAGV 10
Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:    572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :  Issued Patents AA:*
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     2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
     3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
     4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
     5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
     6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 53 | 100.0 | 57 | 2 | US-09-513-999C-6307 | Sequence 6307, Ap |
| 2 | 53 | 100.0 | 126 | 2 | US-09-949-016-7772 | Sequence 7772, Ap |
| 3 | 53 | 100.0 | 130 | 2 | US-09-621-976-4511 | Sequence 4511, Ap |
| 4 | 53 | 100.0 | 152 | 1 | US-08-318-947A-8 | Sequence 8, Appli |
| 5 | 53 | 100.0 | 152 | 1 | US-08-795-303-8 | Sequence 8, Appli |
| 6 | 53 | 100.0 | 152 | 2 | US-09-216-430C-13 | Sequence 13, Appl |
| 7 | 53 | 100.0 | 152 | 2 | US-09-538-092-1155 | Sequence 1155, Ap |
| 8 | 49 | 92.5 | 151 | 1 | US-08-318-947A-9 | Sequence 9, Appli |
| 9 | 49 | 92.5 | 151 | 1 | US-08-795-303-9 | Sequence 9, Appli |
| 10 | 49 | 92.5 | 152 | 1 | US-08-318-947A-6 | Sequence 6, Appli |
| 11 | 49 | 92.5 | 152 | 1 | US-08-318-947A-7 | Sequence 7, Appli |
| 12 | 49 | 92.5 | 152 | 1 | US-08-533-298-2 | Sequence 2, Appli |
| 13 | 49 | 92.5 | 152 | 1 | US-08-795-303-6 | Sequence 6, Appli |
| 14 | 49 | 92.5 | 152 | 1 | US-08-795-303-7 | Sequence 7, Appli |
| 15 | 49 | 92.5 | 152 | 2 | US-08-247-904B-16 | Sequence 16, Appl |
| 16 | 49 | 92.5 | 152 | 2 | US-08-767-942A-17 | Sequence 17, Appl |
| 17 | 49 | 92.5 | 152 | 1 | US-08-358-580-8 | Sequence 8, Appl |
| 18 | 49 | 92.5 | 152 | 1 | US-09-358-580-10 | Sequence 10, Appl |
| 19 | 49 | 92.5 | 152 | 2 | US-09-216-430C-12 | Sequence 12, Appl |
| 20 | 49 | 92.5 | 152 | 2 | US-09-538-092-1000 | Sequence 1000, Ap |
| 21 | 49 | 92.5 | 257 | 2 | US-09-949-016-8138 | Sequence 8138, Ap |
| 22 | 48 | 90.6 | 151 | 1 | US-08-318-947A-10 | Sequence 10, Appl |
| 23 | 48 | 90.6 | 151 | 1 | US-08-795-303-10 | Sequence 10, Appl |
| 24 | 44 | 83.0 | 152 | 1 | US-09-358-580-12 | Sequence 12, Appl |
| 25 | 44 | 73.6 | 636 | 2 | US-09-489-039A-12090 | Sequence 12090, A |
| 26 | 39 | 73.6 | 722 | 2 | US-09-252-991A-26839 | Sequence 26839, A |
| 27 | 38 | 71.7 | 695 | 2 | US-09-252-991A-22910 | Sequence 22910, A |
| 28 | 37 | 69.8 | 10 | 2 | US-09-644-456B-60 | Sequence 60, Appl |
| 29 | 37 | 69.8 | 126 | 2 | US-10-629-201-11 | Sequence 11, Appl |
| 30 | 37 | 69.8 | 127 | 2 | US-10-629-201-31 | Sequence 31, Appl |
| 31 | 37 | 69.8 | 212 | 2 | US-09-902-540-12720 | Sequence 12720, A |
| 32 | 37 | 69.8 | 217 | 2 | US-09-252-991A-24818 | Sequence 24818, A |
| 33 | 37 | 69.8 | 354 | 2 | US-09-252-991A-29717 | Sequence 29717, A |
| 34 | 37 | 69.8 | 408 | 2 | US-09-252-991A-31571 | Sequence 31571, A |
| 35 | 37 | 69.8 | 574 | 1 | US-08-906-713-2 | Sequence 2, Appli |
| 36 | 37 | 69.8 | 574 | 2 | US-09-870-574-4 | Sequence 4, Appli |
| 37 | 37 | 69.8 | 574 | 2 | US-09-949-016-7006 | Sequence 7006, Ap |
| 38 | 37 | 69.8 | 574 | 1 | US-10-090-365-25 | Sequence 25, Appl |
| 39 | 37 | 69.8 | 574 | 2 | US-09-728-911-25 | Sequence 25, Appl |
| 40 | 37 | 69.8 | 574 | 2 | US-10-233-873A-5 | Sequence 5, Appli |
| 41 | 37 | 69.8 | 581 | 2 | US-09-949-016-8522 | Sequence 8522, Ap |
| 42 | 37 | 69.8 | 645 | 2 | US-09-543-681A-7757 | Sequence 7757, Ap |
| 43 | 37 | 69.8 | 822 | 2 | US-09-252-991A-22479 | Sequence 22479, A |
| 44 | 36 | 67.9 | 176 | 2 | US-09-902-540-14303 | Sequence 14303, A |
| 45 | 36 | 67.9 | 208 | 2 | US-09-252-991A-27661 | Sequence 27661, A |

ALIGNMENTS

```
RESULT 1
US-09-513-999C-6307
; Sequence 6307, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 6307
; LENGTH: 57
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-6307

Query Match        100.0%;   Score 53;  DB 2;  Length 57;
Best Local Similarity  100.0%;   Pred. No. 0.016;
Matches  10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 RLQEDPPAGV 10
          ||||||||||
Db     15 RLQEDPPAGV 24

RESULT 2
US-09-949-016-7772
; Sequence 7772, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 7772
;   LENGTH: 126
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-7772

Query Match             100.0%;  Score 53;  DB 2;  Length 126;
Best Local Similarity   100.0%;  Pred. No. 0.035;
  Matches  10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 RLQEDPPAGV 10
            ||||||||||
Db       55 RLQEDPPAGV 64

RESULT 3
US-09-621-976-4511
;   Sequence 4511, Application US/09621976
;   Patent No. 6639063
;   GENERAL INFORMATION:
;   APPLICANT: Dumas Milne Edwards, J.B.
;   APPLICANT: Jobert, S.
;   APPLICANT: Giordano, J.Y.
;   TITLE OF INVENTION: ESTs and Encoded Human Proteins.
;   FILE REFERENCE: GENSET.054PR2
;   CURRENT APPLICATION NUMBER: US/09/621,976
;   CURRENT FILING DATE: 2000-07-21
;   NUMBER OF SEQ ID NOS: 19335
;   SOFTWARE: Patent.pm
US-09-621-976-4511
;   SEQ ID NO 4511
;   LENGTH: 130
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: 5
;   OTHER INFORMATION: Xaa =  * ,Cys,Asp,Glu,Gly,Tyr
;   NAME/KEY: UNSURE
;   LOCATION: 14
;   OTHER INFORMATION: Xaa = Ala,Gly
;   NAME/KEY: UNSURE
;   LOCATION: 7,16,17
;   OTHER INFORMATION: Xaa = Ala,Gly,Pro,Arg
;   NAME/KEY: UNSURE
;   LOCATION: 11
;   OTHER INFORMATION: Xaa = Ala,Phe,Ser,Val
;   NAME/KEY: UNSURE
;   LOCATION: 9
;   OTHER INFORMATION: Xaa = Asp,Glu,Gly,His,Gln,Arg
;   NAME/KEY: UNSURE
;   LOCATION: 8
;   OTHER INFORMATION: Xaa = Cys,Pro,Arg,Ser,Trp
;   NAME/KEY: UNSURE
;   LOCATION: 3,12
;   OTHER INFORMATION: Xaa = His,Asn,Pro,Thr
;   NAME/KEY: UNSURE
;   LOCATION: 89
;   OTHER INFORMATION: Xaa = His,Gln
;   NAME/KEY: UNSURE
;   LOCATION: 10
;   OTHER INFORMATION: Xaa = His,Ile,Lys,Leu,Met,Asn,Gln
;   NAME/KEY: UNSURE
;   LOCATION: 15
;   OTHER INFORMATION: Xaa = Pro,Arg,Ser,Trp
;   NAME/KEY: UNSURE
;   LOCATION: 90
;   OTHER INFORMATION: Xaa = Pro,Ser
US-09-621-976-4511

Query Match             100.0%;  Score 53;  DB 2;  Length 130;
Best Local Similarity   100.0%;  Pred. No. 0.037;
  Matches  10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 RLQEDPPAGV 10
            ||||||||||
Db       24 RLQEDPPAGV 33

RESULT 4
US-08-318-947A-8
;   Sequence 8, Application US/08318947A
;   Patent No. 5798245
;   GENERAL INFORMATION:
;   APPLICANT: Anderson, Paul J.
;   APPLICANT: Tian, Qingsheng
;   TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
;   TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
;   NUMBER OF SEQUENCES: 21
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
;   STREET: 2100 Pennsylvania Avenue, NW   Suite 800
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20037
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/318,947A
;   FILING DATE: 06-OCT-1994
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/133,530
;   FILING DATE: 07-OCT-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Mack, Susan J.
;   REGISTRATION NUMBER: 30,951
;   REFERENCE/DOCKET NUMBER: A6462
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202)293-7060
;   TELEFAX: (202)293-2920
;   TELEX: 6491103
;   INFORMATION FOR SEQ ID NO: 8:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 152 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-318-947A-8

Query Match             100.0%;  Score 53;  DB 1;  Length 152;
Best Local Similarity   100.0%;  Pred. No. 0.043;
  Matches  10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 RLQEDPPAGV 10
            ||||||||||
Db       15 RLQEDPPAGV 24

RESULT 5
US-08-795-303-8
;   Sequence 8, Application US/08795303
;   Patent No. 5948656
;   GENERAL INFORMATION:
;   APPLICANT: Anderson, Paul J.
;   APPLICANT: Tian, Qingsheng
;   TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
;   TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
;   NUMBER OF SEQUENCES: 21
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
```

; STREET: 2100 Pennsylvania Avenue, NW  Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/318,947
; FILING DATE: 06-OCT-1994
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-303-8

Query Match             100.0%;  Score 53;  DB 1;  Length 152;
Best Local Similarity   100.0%;  Pred. No. 0.043;
Matches     10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 RLQEDPPAGV 10
          ||||||||||
Db     15 RLQEDPPAGV 24

RESULT 6
US-09-216-430C-13
; Sequence 13, Application US/09216430C
; Patent No. 6734283
; GENERAL INFORMATION:
; APPLICANT: Chau, Vincent
; TITLE OF INVENTION: Human Proteins Responsible for NEDD8 Activation and Conjugation
; FILE REFERENCE: 103576-127
; CURRENT APPLICATION NUMBER: US/09/216,430C
; CURRENT FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: PCT/US98/27141
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: US 60/068,209
; PRIOR FILING DATE: 1998-08-12
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(152)
; OTHER INFORMATION: UBC2a
US-09-216-430C-13

Query Match             100.0%;  Score 53;  DB 2;  Length 152;
Best Local Similarity   100.0%;  Pred. No. 0.043;
Matches     10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 RLQEDPPAGV 10
          ||||||||||
Db     15 RLQEDPPAGV 24

RESULT 7
US-09-538-092-1155
; Sequence 1155, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1155
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P49459
US-09-538-092-1155

Query Match             100.0%;  Score 53;  DB 2;  Length 152;
Best Local Similarity   100.0%;  Pred. No. 0.043;
Matches     10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 RLQEDPPAGV 10
          ||||||||||
Db     15 RLQEDPPAGV 24

RESULT 8
US-08-318-947A-9
; Sequence 9, Application US/08318947A
; Patent No. 5798245
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW  Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,947A
; FILING DATE: 06-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:

; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-318-947A-9

Query Match             92.5%;  Score 49;  DB 1;  Length 151;
Best Local Similarity   90.0%;  Pred. No. 0.22;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy          1 RLQEDPPAGV 10
              |||||||| ||
Db         15 RLQEDPPTGV 24

RESULT 9
US-08-795-303-9
; Sequence 9, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; APPLICANT: Tian, Qingsheng
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW  Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/318,947
; FILING DATE: 06-OCT-1994
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-795-303-9

Query Match             92.5%;  Score 49;  DB 1;  Length 151;
Best Local Similarity   90.0%;  Pred. No. 0.22;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy          1 RLQEDPPAGV 10
              |||||||| ||
Db         15 RLQEDPPTGV 24

RESULT 10
US-08-318-947A-6
; Sequence 6, Application US/08318947A
; Patent No. 5798245
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW  Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,947A
; FILING DATE: 06-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-947A-6

Query Match             92.5%;  Score 49;  DB 1;  Length 152;
Best Local Similarity   90.0%;  Pred. No. 0.22;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy          1 RLQEDPPAGV 10
              |||||||| ||
Db         15 RLQEDPPVGV 24

RESULT 11
US-08-318-947A-7
; Sequence 7, Application US/08318947A
; Patent No. 5798245
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME

;   NUMBER OF SEQUENCES: 21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
;     STREET: 2100 Pennsylvania Avenue, NW  Suite 800
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20037
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/318,947A
;     FILING DATE: 06-OCT-1994
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/133,530
;     FILING DATE: 07-OCT-1993
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Mack, Susan J.
;     REGISTRATION NUMBER: 30,951
;     REFERENCE/DOCKET NUMBER: A6462
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202)293-7060
;     TELEFAX: (202)293-2920
;     TELEX: 6491103
;   INFORMATION FOR SEQ ID NO: 7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 152 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
US-08-318-947A-7

Query Match             92.5%;  Score 49;  DB 1;  Length 152;
Best Local Similarity   90.0%;  Pred. No. 0.22;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy      1 RLQEDPPAGV 10
          |||||| ||
Db     15 RLQEDPPVGV 24

RESULT 12
US-08-533-298-2
; Sequence 2, Application US/08533298
; Patent No. 5851791
; GENERAL INFORMATION:
;   APPLICANT: Vierstra, Richard D
;   APPLICANT: Gosink, Mark M
;   TITLE OF INVENTION: Ubiquitin Conjugating Enzyme (E2) Fusion
;   TITLE OF INVENTION: Proteins
;   NUMBER OF SEQUENCES: 18
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Quarles and Brady
;     STREET: 1 South Pinckney Street - Suite 600
;     CITY: Madison
;     STATE: WI
;     COUNTRY: USA
;     ZIP: 53703
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/533,298
;     FILING DATE: 25-SEP-1995
;     CLASSIFICATION: 536
;   PRIOR APPLICATION DATA:

;     APPLICATION NUMBER: 08/070,157
;     FILING DATE: 28-MAY-1993
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Seay, Nicholas J
;     REGISTRATION NUMBER: 27,386
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 608-251-5000
;     TELEFAX: 608-251-9166
;   INFORMATION FOR SEQ ID NO: 2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 152 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
US-08-533-298-2

Query Match             92.5%;  Score 49;  DB 1;  Length 152;
Best Local Similarity   80.0%;  Pred. No. 0.22;
Matches    8;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 RLQEDPPAGV 10
          |||:||||:
Db     15 RLQQDPPAGI 24

RESULT 13
US-08-795-303-6
; Sequence 6, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
;   APPLICANT: Anderson, Paul J.
;   APPLICANT: Tian, Qingsheng
;   TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
;   TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
;   NUMBER OF SEQUENCES: 21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
;     STREET: 2100 Pennsylvania Avenue, NW  Suite 800
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20037
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/795,303
;     FILING DATE: 04-FEB-1997
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/318,947
;     FILING DATE: 06-OCT-1994
;     APPLICATION NUMBER: 08/133,530
;     FILING DATE: 07-OCT-1993
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Mack, Susan J.
;     REGISTRATION NUMBER: 30,951
;     REFERENCE/DOCKET NUMBER: A6462
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202)293-7060
;     TELEFAX: (202)293-2920
;     TELEX: 6491103
;   INFORMATION FOR SEQ ID NO: 6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 152 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
US-08-795-303-6

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Query Match           92.5%;   Score 49;  DB 1;  Length 152;
Best Local Similarity 90.0%;   Pred. No. 0.22;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

Qy       1  RLQEDPPAGV 10
            ||||||| ||
Db      15  RLQEDPPVGV 24
```

RESULT 14
US-08-795-303-7
; Sequence 7, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
;    APPLICANT: Anderson, Paul J.
;    APPLICANT: Tian, Qingsheng
;    TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
;    TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
;    NUMBER OF SEQUENCES: 21
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
;       STREET: 2100 Pennsylvania Avenue, NW   Suite 800
;       CITY: Washington
;       STATE: DC
;       COUNTRY: USA
;       ZIP: 20037
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/795,303
;       FILING DATE: 04-FEB-1997
;       CLASSIFICATION: 435
;    PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: 08/318,947
;       FILING DATE: 06-OCT-1994
;       APPLICATION NUMBER: 08/133,530
;       FILING DATE: 07-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;       NAME: Mack, Susan J.
;       REGISTRATION NUMBER: 30,951
;       REFERENCE/DOCKET NUMBER: A6462
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (202)293-7060
;       TELEFAX: (202)293-2920
;       TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 7:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH: 152 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;    MOLECULE TYPE: protein
US-08-795-303-7

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Query Match           92.5%;   Score 49;  DB 1;  Length 152;
Best Local Similarity 90.0%;   Pred. No. 0.22;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

Qy       1  RLQEDPPAGV 10
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Db      15  RLQEDPPVGV 24
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RESULT 15
US-08-247-904B-16
; Sequence 16, Application US/08247904B
; Patent No. 5981699
; GENERAL INFORMATION:
;    APPLICANT: Rolfe, Mark
;    APPLICANT: Eckstein, Jens W.
;    APPLICANT: Draetta, Giulio
;    TITLE OF INVENTION: Human Ubiquitin Conjugating Enzyme
;    NUMBER OF SEQUENCES: 17
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Foley, Hoag & Eliot
;       STREET: One Post Office Square
;       CITY: Boston
;       STATE: MA
;       COUNTRY: USA
;       ZIP: 02109
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: ASCII(text)
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/247,904B
;       FILING DATE: 23-MAY-1994
;       CLASSIFICATION: 530
;    ATTORNEY/AGENT INFORMATION:
;       NAME: Vincent, Matthew P.
;       REGISTRATION NUMBER: 36,709
;       REFERENCE/DOCKET NUMBER: MIV-029.01
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (617) 832-1000
;       TELEFAX: (617) 832-7000
; INFORMATION FOR SEQ ID NO: 16:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH: 152 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;    MOLECULE TYPE: protein
US-08-247-904B-16

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Query Match           92.5%;   Score 49;  DB 1;  Length 152;
Best Local Similarity 90.0%;   Pred. No. 0.22;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

Qy       1  RLQEDPPAGV 10
            ||||||| ||
Db      15  RLQEDPPVGV 24
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Search completed: February  7, 2006, 12:49:35
Job time : 22.766 secs

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OM protein - protein search, using sw model

          GenCore version 5.1.7
   Copyright (c) 1993 - 2006 Biocceleration Ltd.


Run on:        February 7, 2006, 13:34:34 ; Search time 72.0213 Seconds
                                 (without alignments)
                                 58.015 Million cell updates/sec

Title:          US-10-006-177A-2
Perfect score:  53
Sequence:       1 RLQEDPPAGV 10
Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:      1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Published Applications AA Main:*
         1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
         2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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         5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
         6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                          SUMMARIES
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| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 53 | 100.0 | 10 | 4 | US-10-006-177-2 | Sequence 2, Appli |
| 2 | 53 | 100.0 | 89 | 4 | US-10-425-115-234519 | Sequence 234519, |
| 3 | 53 | 100.0 | 122 | 5 | US-10-489-695-15 | Sequence 15, Appl |
| 4 | 53 | 100.0 | 126 | 5 | US-10-732-923-18529 | Sequence 18529, A |
| 5 | 53 | 100.0 | 126 | 5 | US-10-732-923-18530 | Sequence 18530, A |
| 6 | 53 | 100.0 | 152 | 4 | US-10-116-275-164 | Sequence 164, App |
| 7 | 49 | 92.5 | 58 | 4 | US-10-425-115-356888 | Sequence 356888 |
| 8 | 49 | 92.5 | 69 | 4 | US-10-425-115-217253 | Sequence 217253, |
| 9 | 49 | 92.5 | 73 | 4 | US-10-424-599-145487 | Sequence 145487, |
| 10 | 49 | 92.5 | 77 | 4 | US-10-424-599-282590 | Sequence 282590, |
| 11 | 49 | 92.5 | 82 | 4 | US-10-424-599-194713 | Sequence 194713, |
| 12 | 49 | 92.5 | 83 | 4 | US-10-424-599-169060 | Sequence 169060, |
| 13 | 49 | 92.5 | 93 | 4 | US-10-425-115-218996 | Sequence 218996, |
| 14 | 49 | 92.5 | 115 | 4 | US-10-425-115-225960 | Sequence 225960, |
| 15 | 49 | 92.5 | 121 | 4 | US-10-425-115-217252 | Sequence 217252, |
| 16 | 49 | 92.5 | 141 | 4 | US-10-425-115-218993 | Sequence 218993, |
| 17 | 49 | 92.5 | 151 | 6 | US-11-097-143-3093 | Sequence 3093, Ap |
| 18 | 49 | 92.5 | 152 | 4 | US-10-424-599-158042 | Sequence 158042, |
| 19 | 49 | 92.5 | 152 | 4 | US-10-424-599-194711 | Sequence 194711, |
| 20 | 49 | 92.5 | 152 | 4 | US-10-424-599-280313 | Sequence 280313, |
| 21 | 49 | 92.5 | 152 | 4 | US-10-424-599-280314 | Sequence 280314, |
| 22 | 49 | 92.5 | 152 | 4 | US-10-437-961-148925 | Sequence 148925, |
| 23 | 49 | 92.5 | 152 | 4 | US-10-767-701-46376 | Sequence 46376, A |
| 24 | 49 | 92.5 | 152 | 4 | US-10-767-701-46377 | Sequence 46377, A |
| 25 | 49 | 92.5 | 152 | 4 | US-10-425-115-217248 | Sequence 217248, |
| 26 | 49 | 92.5 | 152 | 4 | US-10-425-115-217250 | Sequence 217250, |
| 27 | 49 | 92.5 | 152 | 4 | US-10-425-115-217255 | Sequence 217255, |
| 28 | 49 | 92.5 | 152 | 4 | US-10-425-115-218998 | Sequence 218998, |
| 29 | 49 | 92.5 | 152 | 4 | US-10-425-115-218999 | Sequence 218999, |
| 30 | 49 | 92.5 | 152 | 4 | US-10-425-115-219001 | Sequence 219001, |
| 31 | 49 | 92.5 | 152 | 4 | US-10-425-115-219004 | Sequence 219004, |
| 32 | 49 | 92.5 | 152 | 4 | US-10-425-115-219005 | Sequence 219005, |
| 33 | 49 | 92.5 | 152 | 4 | US-10-425-115-219006 | Sequence 219006, |
| 34 | 49 | 92.5 | 152 | 4 | US-10-425-115-289038 | Sequence 289038, |
| 35 | 49 | 92.5 | 152 | 4 | US-10-425-115-289039 | Sequence 289039, |
| 36 | 49 | 92.5 | 152 | 4 | US-10-425-115-289047 | Sequence 289047, |
| 37 | 49 | 92.5 | 152 | 5 | US-10-732-923-18523 | Sequence 18523, A |
| 38 | 49 | 92.5 | 157 | 4 | US-10-425-115-114-57694 | Sequence 57694, A |
| 39 | 49 | 92.5 | 162 | 4 | US-10-425-115-217251 | Sequence 217251, |
| 40 | 49 | 92.5 | 166 | 4 | US-10-264-049-3515 | Sequence 3515, Ap |
| 41 | 49 | 92.5 | 171 | 4 | US-10-425-114-44835 | Sequence 44835, A |
| 42 | 49 | 92.5 | 172 | 4 | US-10-264-049-3306 | Sequence 3306, Ap |
| 43 | 49 | 92.5 | 176 | 4 | US-10-437-963-148926 | Sequence 148926, |
| 44 | 49 | 92.5 | 181 | 4 | US-10-425-115-289043 | Sequence 289043, |
| 45 | 49 | 92.5 | 191 | 4 | US-10-424-599-158043 | Sequence 158043, |

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                            ALIGNMENTS

RESULT 1
US-10-006-177-2
;  Sequence 2, Application US/10006177
;  Publication No. US2003016513A1
;  GENERAL INFORMATION:
;  APPLICANT: Ramakrishna, Venky
;  APPLICANT: Ross, Mark
;  APPLICANT: Philip, Ramila
;  TITLE OF INVENTION: Cytotoxic T-Lymphocyte-inducing Immunogens for Prevention, Treatm
;  TITLE OF INVENTION: Diagnosis of Cancer
;  FILE REFERENCE: 26747-35
;  CURRENT APPLICATION NUMBER: US/10/006,177
;  CURRENT FILING DATE: 2001-12-04
;  PRIOR APPLICATION NUMBER: US/60/251,022
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: US/60/256,824
;  PRIOR FILING DATE: 2000-12-20
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.0
;  SEQ ID NO 2
;    LENGTH: 10
;    TYPE: PRT
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Epitopic Peptide
US-10-006-177-2

  Query Match            100.0%;  Score 53;  DB 4;  Length 10;
  Best Local Similarity  100.0%;  Pred. No. 0.014;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps   0;

Qy         1 RLQEDPPAGV 10
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Db         1 RLQEDPPAGV 10


RESULT 2
US-10-425-115-234519
;  Sequence 234519, Application US/10425115
;  Publication No. US2004021427A1
;  GENERAL INFORMATION:
;  APPLICANT: La Rosa, Thomas J.
;  APPLICANT: Kovalic, David K.
;  APPLICANT: Zhou, Yihua
;  APPLICANT: Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION: Plants
;  FILE REFERENCE: 38-21(53222)B
;  CURRENT APPLICATION NUMBER: US/10/425,115
;  CURRENT FILING DATE: 2003-04-28
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;   NUMBER OF SEQ ID NOS: 369326
;   SEQ ID NO 234519
;   LENGTH: 89
;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(89)
;   OTHER INFORMATION: unsure at all Xaa locations
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_145467C.1.pep
US-10-425-115-234519

Query Match             100.0%;  Score 53;  DB 4;  Length 89;
Best Local Similarity   100.0%;  Pred. No. 0.13;
Matches   10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 RLQEDPPAGV 10
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Db          2 RLQEDPPAGV 11


RESULT 3
US-10-489-695-15
;   Sequence 15, Application US/10489695
;   Publication No. US2005010729341
;   GENERAL INFORMATION:
;   APPLICANT: INCYTE CORPORATION; SPRAGUE, William W.;
;   APPLICANT: CHAWLA, Narinder K.; WARREN, Bridget A.;
;   APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.;
;   APPLICANT: MARQUIS, Joseph P.; LI, Joana X.;
;   APPLICANT: GRIFFIN, Jennifer A.; GIETZEN, Kimberly J.;
;   APPLICANT: YANG, Junming; LU, Dyung Aina M.;
;   APPLICANT: EMERLING, Brooke M.; DUGGAN, Brendan M.;
;   APPLICANT: RICHARDSON, Thomas W.; LEE, Soo Yeun;
;   APPLICANT: RAMKUMAR, Jayalaxmi; BECHA, Shanya D.;
;   APPLICANT: LEHR-MASON, Patricia M.; SWARNAKAR, Anita;
;   APPLICANT: TRAN, Uyen K.; KABLE, Amy E.;
;   APPLICANT: HAFALIA, April J.A.; KHARE, Reena
;   TITLE OF INVENTION: PROTEIN MODIFICATION AND MAINTENANCE MOLECULES
;   FILE REFERENCE: PF-1186 USN
;   CURRENT APPLICATION NUMBER: US/10/489,695
;   CURRENT FILING DATE: 2004-03-15
;   PRIOR APPLICATION NUMBER: PCT/US02/29221
;   PRIOR FILING DATE: 2002-09-13
;   PRIOR APPLICATION NUMBER: US 60/322,196
;   PRIOR FILING DATE: 2001-09-14
;   PRIOR APPLICATION NUMBER: US 60/324,134
;   PRIOR FILING DATE: 2001-09-21
;   PRIOR APPLICATION NUMBER: US 60/327,233
;   PRIOR FILING DATE: 2001-10-05
;   PRIOR APPLICATION NUMBER: US 60/346,198
;   PRIOR FILING DATE: 2001-10-26
;   PRIOR APPLICATION NUMBER: US 60/343,980
;   PRIOR FILING DATE: 2001-11-02
;   PRIOR APPLICATION NUMBER: US 60/348,887
;   PRIOR FILING DATE: 2001-11-09
;   PRIOR APPLICATION NUMBER: US 60/332,423
;   PRIOR FILING DATE: 2001-11-16
;   PRIOR APPLICATION NUMBER: US 60/334,145
;   PRIOR FILING DATE: 2001-11-28
;   PRIOR APPLICATION NUMBER: US 60/334,229
;   PRIOR FILING DATE: 2001-11-28
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 62
;   SOFTWARE: PERL Program
;   SEQ ID NO 15
;   LENGTH: 122
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No: 7503485CD1
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US-10-489-695-15

Query Match             100.0%;  Score 53;  DB 5;  Length 122;
Best Local Similarity   100.0%;  Pred. No. 0.19;
Matches   10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 RLQEDPPAGV 10
              ||||||||||
Db         15 RLQEDPPAGV 24


RESULT 4
US-10-732-923-18529
;   Sequence 18529, Application US/10732923
;   Publication No. US2005010879141
;   GENERAL INFORMATION:
;   APPLICANT: Edgerton, Michael D
;   TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
;   FILE REFERENCE: 38-15(52796)C
;   CURRENT APPLICATION NUMBER: US/10/732,923
;   CURRENT FILING DATE: 2003-12-10
;   PRIOR APPLICATION NUMBER: 10/310,154
;   PRIOR FILING DATE: 2002-12-04
;   NUMBER OF SEQ ID NOS: 24149
;   SEQ ID NO 18529
;   LENGTH: 126
;   TYPE: PRT
;   ORGANISM: Equus caballus
US-10-732-923-18529

Query Match             100.0%;  Score 53;  DB 5;  Length 126;
Best Local Similarity   100.0%;  Pred. No. 0.19;
Matches   10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 RLQEDPPAGV 10
              ||||||||||
Db          6 RLQEDPPAGV 15


RESULT 5
US-10-732-923-18530
;   Sequence 18530, Application US/10732923
;   Publication No. US2005010879141
;   GENERAL INFORMATION:
;   APPLICANT: Edgerton, Michael D
;   TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
;   FILE REFERENCE: 38-15(52796)C
;   CURRENT APPLICATION NUMBER: US/10/732,923
;   CURRENT FILING DATE: 2003-12-10
;   PRIOR APPLICATION NUMBER: 10/310,154
;   PRIOR FILING DATE: 2002-12-04
;   NUMBER OF SEQ ID NOS: 24149
;   SEQ ID NO 18530
;   LENGTH: 126
;   TYPE: PRT
;   ORGANISM: Sus scrofa
US-10-732-923-18530

Query Match             100.0%;  Score 53;  DB 5;  Length 126;
Best Local Similarity   100.0%;  Pred No. 0.19;
Matches   10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 RLQEDPPAGV 10
              ||||||||||
Db          6 RLQEDPPAGV 15


RESULT 6
US-10-116-275-164
;   Sequence 164, Application US/10116275
;   Publication No. US20030211476A1
;   GENERAL INFORMATION:
;   APPLICANT: Elan Pharmaceutical Technology
```

; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; TITLE OF INVENTION: Compositions Targeting Peyer's Patches and M Cell Receptors
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
;   LENGTH: 152
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-116-275-164

Query Match       100.0%;  Score 53;  DB 4;  Length 152;
Best Local Similarity 100.0%;  Pred. No. 0.23;
Matches   10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 RLQEDPPPAGV 10
           ||||||||||
Db    15 RLQEDPPPAGV 24

RESULT 7
US-10-425-115-356888
; Sequence 356888, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 356888
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_88650C.1.pep
US-10-425-115-356888

Query Match        92.5%;  Score 49;  DB 4;  Length 58;
Best Local Similarity 80.0%;  Pred. No. 0.43;
Matches    8;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 RLQEDPPPAGV 10
           |||:||||:
Db    15 RLQQDPPPAGI 24

RESULT 8
US-10-425-115-217253
; Sequence 217253, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 217253
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(69)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_129736C.1.pep
US-10-425-115-217253

Query Match        92.5%;  Score 49;  DB 4;  Length 69;
Best Local Similarity 80.0%;  Pred. No. 0.52;
Matches    8;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 RLQEDPPPAGV 10
           |||:||||:
Db    15 RLQQDPPPAGI 24

RESULT 9
US-10-424-599-145487
; Sequence 145487, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 145487
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(73)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_102394C.1.pep
US-10-424-599-145487

Query Match        92.5%;  Score 49;  DB 4;  Length 73;
Best Local Similarity 80.0%;  Pred. No. 0.55;
Matches    8;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 RLQEDPPPAGV 10
           |||:||||:
Db    15 RLQQDPPPAGI 24

RESULT 10
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; Sequence 282590, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 282590
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(77)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_971C.1.pep
US-10-424-599-282590

Query Match        92.5%;  Score 49;  DB 4;  Length 77;
Best Local Similarity  80.0%;  Pred. No. 0.58;
Matches    8;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1 RLQEDPPAGV 10
           |||:|||||:
Db      14 RLQQDPPAGI 23

RESULT 11
US-10-424-599-194713
; Sequence 194713, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
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; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(82)
; OTHER INFORMATION: unsure at all Xaa locations
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; OTHER INFORMATION: Clone ID: PAT_MRT3847_17853C.1.pep
US-10-424-599-194713

Query Match        92.5%;  Score 49;  DB 4;  Length 82;
Best Local Similarity  80.0%;  Pred. No. 0.62;
Matches    8;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1 RLQEDPPAGV 10
           |||:|||||:
Db      15 RLQQDPPAGI 24

RESULT 12
US-10-424-599-169060
; Sequence 169060, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 169060

; LENGTH: 83
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(83)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_123676C.1.pep
US-10-424-599-169060

Query Match        92.5%;  Score 49;  DB 4;  Length 83;
Best Local Similarity  80.0%;  Pred. No. 0.63;
Matches    8;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1 RLQEDPPAGV 10
           |||:|||||:
Db      12 RLQQDPPAGI 21

RESULT 13
US-10-425-115-218996
; Sequence 218996, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 218996
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(93)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_131316C.1.pep
US-10-425-115-218996

Query Match        92.5%;  Score 49;  DB 4;  Length 93;
Best Local Similarity  80.0%;  Pred. No. 0.7;
Matches    8;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1 RLQEDPPAGV 10
           |||:|||||:
Db      15 RLQQDPPAGI 24

RESULT 14
US-10-425-115-225960
; Sequence 225960, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 225960
; LENGTH: 115

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;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT45577_137666C.1.pep
US-10-425-115-225960

Query Match          92.5%;   Score 49;   DB 4;   Length 115;
Best Local Similarity   80.0%;   Pred. No. 0.88;
Matches     8;  Conservative   2;  Mismatches     0;  Indels     0;  Gaps     0;

Qy       1  RLQEDPPAGV 10
            |||:||||||:
Db      15  RLQQDPPAGI 24


RESULT 15
US-10-425-115-217252
;   Sequence 217252, Application US/10425115
;   Publication No. US20040214272A1
;   GENERAL INFORMATION:
;   APPLICANT: La Rosa, Thomas J.
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants
;   FILE REFERENCE: 38-21(53222)B
;   CURRENT APPLICATION NUMBER: US/10/425,115
;   CURRENT FILING DATE: 2003-04-28
;   NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 217252
;   LENGTH: 121
;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT45577_129735C.1.pep
US-10-425-115-217252

Query Match          92.5%;   Score 49;   DB 4;   Length 121;
Best Local Similarity   80.0%;   Pred. No. 0.93;
Matches     8;  Conservative   2;  Mismatches     0;  Indels     0;  Gaps     0;

Qy       1  RLQEDPPAGV 10
            |||:||||||:
Db      15  RLQQDPPAGI 24


Search completed: February  7, 2006, 13:47:28
Job time : 73.1213 secs
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           Copyright  GenCore version 5.1.7
                      (c) 1993 - 2006  Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:        February  7, 2006, 13:36:27 ; Search time 4.78723 Seconds
                                            (without alignments)
                                            24.478 Million cell updates/sec

Title:          US-10-006-177A-2
Perfect score:  53
Sequence:       1 RLQEDPPAGV 10
Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5
Searched:       88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:        88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Published Applications AA New:*
                1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
                2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
                3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
                4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
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                6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
                7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
                8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                            SUMMARIES
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| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 37 | 69.8 | 574 | 6 | US-10-063-703-164 | Sequence 164, App |
| 2 | 37 | 69.8 | 574 | 7 | US-11-102-240-164 | Sequence 164, App |
| 3 | 37 | 69.8 | 574 | 7 | US-11-124-925-5 | Sequence 5, Appli |
| 4 | 34 | 64.2 | 25 | 7 | US-11-077-886-28 | Sequence 28, Appl |
| 5 | 34 | 64.2 | 25 | 7 | US-11-077-886-32 | Sequence 32, Appl |
| 6 | 34 | 64.2 | 459 | 7 | US-11-186-284-12 | Sequence 12, Appl |
| 7 | 34 | 64.2 | 553 | 7 | US-11-090-439-18 | Sequence 18, Appl |
| 8 | 33 | 62.3 | 25 | 7 | US-11-077-886-27 | Sequence 27, Appl |
| 9 | 33 | 62.3 | 31 | 6 | US-10-467-657-1684 | Sequence 1684, Ap |
| 10 | 33 | 62.3 | 384 | 6 | US-10-525-674-44 | Sequence 44, Appl |
| 11 | 33 | 62.3 | 1250 | 6 | US-10-531-036-37 | Sequence 37, Appl |
| 12 | 33 | 62.3 | 1572 | 7 | US-11-143-980-46 | Sequence 46, Appl |
| 13 | 31 | 58.5 | 134 | 7 | US-11-082-544-58 | Sequence 58, Appl |
| 14 | 31 | 58.5 | 140 | 7 | US-11-082-544-60 | Sequence 60, Appl |
| 15 | 31 | 58.5 | 149 | 6 | US-10-821-234-1244 | Sequence 1244, Ap |
| 16 | 31 | 58.5 | 1127 | 6 | US-10-858-730-13 | Sequence 13, Appl |
| 17 | 30 | 56.6 | 25 | 7 | US-11-077-886-30 | Sequence 30, Appl |
| 18 | 30 | 56.6 | 92 | 6 | US-10-485-788A-657 | Sequence 657, Appl |
| 19 | 30 | 56.6 | 92 | 7 | US-11-053-076-19 | Sequence 19, Appl |
| 20 | 30 | 56.6 | 166 | 7 | US-11-055-822-216 | Sequence 216, App |
| 21 | 30 | 56.6 | 166 | 7 | US-11-055-822-218 | Sequence 218, App |
| 22 | 30 | 56.6 | 166 | 7 | US-11-055-822-506 | Sequence 506, App |
| 23 | 30 | 56.6 | 166 | 7 | US-11-055-822-870 | Sequence 870, App |
| 24 | 30 | 56.6 | 166 | 7 | US-11-055-822-872 | Sequence 872, App |
| 25 | 30 | 56.6 | 169 | 6 | US-10-467-657-784 | Sequence 784, Appl |
| 26 | 30 | 56.6 | 189 | 6 | US-10-878-556A-168 | Sequence 168, App |
| 27 | 30 | 56.6 | 336 | 6 | US-10-467-657-6080 | Sequence 6080, Ap |
| 28 | 30 | 56.6 | 345 | 6 | US-10-888-962-7 | Sequence 7, Appli |
| 29 | 30 | 56.6 | 346 | 7 | US-11-000-365-52 | Sequence 52, Appl |
| 30 | 30 | 56.6 | 346 | 7 | US-11-032-794-52 | Sequence 52, Appl |
| 31 | 30 | 56.6 | 396 | 6 | US-10-493-909-79 | Sequence 79, Appl |
| 32 | 30 | 56.6 | 398 | 6 | US-10-131-826A-348 | Sequence 348, App |
| 33 | 30 | 56.6 | 401 | 6 | US-11-000-365-50 | Sequence 50, Appl |
| 34 | 30 | 56.6 | 401 | 7 | US-11-032-794-50 | Sequence 50, Appl |
| 35 | 30 | 56.6 | 432 | 6 | US-10-467-657-1890 | Sequence 1890, Ap |
| 36 | 30 | 56.6 | 432 | 6 | US-10-467-657-6128 | Sequence 6128, Ap |
| 37 | 30 | 56.6 | 528 | 6 | US-10-878-556A-77 | Sequence 77, Appl |
| 38 | 30 | 56.6 | 536 | 7 | US-11-156-003-14 | Sequence 14, Appl |
| 39 | 30 | 56.6 | 536 | 7 | US-11-156-003-15 | Sequence 15, Appl |
| 40 | 30 | 56.6 | 542 | 7 | US-11-156-003-1 | Sequence 1, Appli |
| 41 | 30 | 56.6 | 542 | 7 | US-11-156-003-10 | Sequence 10, Appl |
| 42 | 30 | 56.6 | 542 | 7 | US-11-156-003-11 | Sequence 11, Appl |
| 43 | 30 | 56.6 | 542 | 7 | US-11-156-003-12 | Sequence 12, Appl |
| 44 | 30 | 56.6 | 542 | 7 | US-11-156-003-13 | Sequence 13, Appl |
| 45 | 30 | 56.6 | 547 | 7 | US-11-156-003-16 | Sequence 16, Appl |

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                            ALIGNMENTS

RESULT 1
US-10-063-703-164
; Sequence 164, Application US/10063703
; Publication No. US20060008901A1
; GENERAL INFORMATION:
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Filvaroff,Ellen
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,Christopher J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Watanabe,Colin K.
;  APPLICANT:  Wood,William I.
;  TITLE OF INVENTION:  SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;  TITLE OF INVENTION:  ACIDS ENCODING THE SAME
;  FILE REFERENCE:  P3230R1C1
;  CURRENT APPLICATION NUMBER:  US/10/063,703
;  CURRENT FILING DATE:  2002-05-08
;        Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS:  170
; SEQ ID NO 164
;  LENGTH: 574
;  TYPE: PRT
;  ORGANISM: Homo Sapien
US-10-063-703-164

Query Match             69.8%;  Score 37;  DB 6;  Length 574;
Best Local Similarity   66.7%;  Pred. No. 13;
Matches    6;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 RLQEDPPAG 9
              ||:.||:|||
Db        430 QLQKEPPAG 438

RESULT 2
US-11-102-240-164
; Sequence 164, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,Christopher J.
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Wood,William I.
;  TITLE OF INVENTION:  ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
;  TITLE OF INVENTION:  ESOPHAGEAL TUMOR
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; FILE REFERENCE: P3230R1C106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 164
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-164

Query Match             69.8%;  Score 37;  DB 7;  Length 574;
Best Local Similarity   66.7%;  Pred. No. 13;
Matches   6;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 RLQEDPPAG 9
           ||:::|||
Db   430 QLQKEPPAG 438

RESULT 3
US-11-124-925-5
; Sequence 5, Application US/11124925
; Publication No. US20060013815A1
; GENERAL INFORMATION:
; APPLICANT: Peng Liang
; TITLE OF INVENTION: THE HUMAN MOB-5 (IL-24) RECEPTORS AND USES THEREOF
; FILE REFERENCE: 22000.0091U4
; CURRENT APPLICATION NUMBER: US/11/124,925
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/10/233,873
; PRIOR FILING DATE: 2002-11-29
; PRIOR APPLICATION NUMBER: 60/315,684
; PRIOR FILING DATE: 2001-08-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 574
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; Note =
; OTHER INFORMATION: Synthetic Construct
US-11-124-925-5

Query Match             69.8%;  Score 37;  DB 7;  Length 574;
Best Local Similarity   66.7%;  Pred. No. 13;
Matches   6;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 RLQEDPPAG 9
           ||:::|||
Db   430 QLQKEPPAG 438

RESULT 4
US-11-077-886-28
; Sequence 28, Application US/11077886
; Publication No. US2005026436A1
; GENERAL INFORMATION:
; APPLICANT: Sobek, Harald
; APPLICANT: Frey, Bruno
; APPLICANT: Antranikian, Garabed
; APPLICANT: Boehlke, Kristina
; APPLICANT: Pisani, Francesca Maria
; APPLICANT: Rossi, Mose
; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in

; FILE REFERENCE: 5328
; CURRENT APPLICATION NUMBER: US/11/077,886
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/09/803,165
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: EP/00105155.6
; PRIOR FILING DATE: 2000-03-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 25
; TYPE: PRT
; ORGANISM: S. acidocaldarius
US-11-077-886-28

Query Match             64.2%;  Score 34;  DB 7;  Length 25;
Best Local Similarity   100.0%;  Pred. No. 2;
Matches   6;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     5 DPPAGV 10
           ||||||
Db    17 DPPAGV 22

RESULT 5
US-11-077-886-32
; Sequence 32, Application US/11077886
; Publication No. US2005026436A1
; GENERAL INFORMATION:
; APPLICANT: Sobek, Harald
; APPLICANT: Frey, Bruno
; APPLICANT: Antranikian, Garabed
; APPLICANT: Boehlke, Kristina
; APPLICANT: Pisani, Francesca Maria
; APPLICANT: Rossi, Mose
; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in
; FILE REFERENCE: 5328
; CURRENT APPLICATION NUMBER: US/11/077,886
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/09/803,165
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: EP/00105155.6
; PRIOR FILING DATE: 2000-03-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 25
; TYPE: PRT
; ORGANISM: S. chwakuensis
US-11-077-886-32

Query Match             64.2%;  Score 34;  DB 7;  Length 25;
Best Local Similarity   100.0%;  Pred. No. 2;
Matches   6;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     5 DPPAGV 10
           ||||||
Db    17 DPPAGV 22

RESULT 6
US-11-186-284-12
; Sequence 12, Application US/11186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; APPLICANT: Millennium Pharmaceuticals, Inc.
; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 459
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-12

Query Match             64.2%;  Score 34;  DB 7;  Length 459;
Best Local Similarity   66.7%;  Pred. No. 38;
Matches  6;  Conservative  1;  Mismatches  1;  Indels  2;  Gaps  0;

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Qy   1 RLQEDPPAG  9
        |:||||  |
Db  42 RMQBDSPLG 50
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RESULT 7
US-11-090-439-18
; Sequence 18, Application US/11090439
; Publication No. US20050266442A1
; GENERAL INFORMATION:
; APPLICANT: Squillace, Rachel
; APPLICANT: Weiner, Michael P.
; TITLE OF INVENTION: Immortalized Human Tuberous Sclerosis Null
; TITLE OF INVENTION: Angiomyolipoma Cell and Method of Use Thereof
; FILE REFERENCE: 24318-502
; CURRENT APPLICATION NUMBER: US/11/090,439
; CURRENT FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: 60/556,344
; PRIOR FILING DATE: 2004-03-25
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 553
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-090-439-18

Query Match             64.2%;  Score 34;  DB 7;  Length 553;
Best Local Similarity   50.0%;  Pred. No. 46;
Matches  5;  Conservative  3;  Mismatches  3;  Indels  2;  Gaps  0;

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Qy   1 RLQEDPPAGV 10
        ||:|||| :
Db 538 RLEDDPPVSL 547
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RESULT 8
US-11-077-886-27
; Sequence 27, Application US/11077886
; Publication No. US20050266436A1
; GENERAL INFORMATION:
; APPLICANT: Sobek, Harald
; APPLICANT: Frey, Bruno
; APPLICANT: Antranikian, Garabed
; APPLICANT: Boehlke, Kristina
; APPLICANT: Pisani, Francesca Maria
; APPLICANT: Rossi, Mose

; TITLE OF INVENTION: Mutant B-type DNA Polymerases Exhibiting Improved Performance in
; FILE REFERENCE: 5328
; CURRENT APPLICATION NUMBER: US/11/077,886
; CURRENT FILING DATE: 2005-03-11
; PRIOR APPLICATION NUMBER: US/09/803,165
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: EP/00105155.6
; PRIOR FILING DATE: 2000-03-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 25
; TYPE: PRT
; ORGANISM: S. solfataricus
US-11-077-886-27

Query Match             62.3%;  Score 33;  DB 7;  Length 25;
Best Local Similarity   83.3%;  Pred. No. 3.1;
Matches  5;  Conservative  1;  Mismatches  0;  Indels  0;  Gaps  0;

```
Qy   5 DPPAGV 10
        |||||:
Db  17 DPPAGI 22
```

RESULT 9
US-10-467-657-1684
; Sequence 1684, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1684
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1684

Query Match             62.3%;  Score 33;  DB 6;  Length 31;
Best Local Similarity   60.0%;  Pred. No. 3.8;
Matches  6;  Conservative  2;  Mismatches  2;  Indels  2;  Gaps  0;

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Qy   1 RLQEDPPAGV 10
        ||: |||||
Db   4 RLRPPPPAGM 13
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RESULT 10
US-10-525-674-44
; Sequence 44, Application US/10525674
; Publication No. US20060003425A1
; GENERAL INFORMATION:
; APPLICANT: Kroger, Burkhard
; APPLICANT: Zelder, Oskar
; APPLICANT: Kolpprogge, Corinna
; APPLICANT: Schroder, Hartwig
; APPLICANT: Hafner, Stefan
; TITLE OF INVENTION: Method for Zymotic Production of Fine Chemicals Containing
; TITLE OF INVENTION: Sulphur (Meta)
; FILE REFERENCE: 13111-00002-US
; CURRENT APPLICATION NUMBER: US/10/525,674
; CURRENT FILING DATE: 2005-02-24

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;  PRIOR APPLICATION NUMBER: PCT/EP 2003/009452
;  PRIOR FILING DATE: 2003-08-26
;  PRIOR APPLICATION NUMBER: DE 102 39 073.8
;  PRIOR FILING DATE: 2002-08-26
;  NUMBER OF SEQ ID NOS: 69
;  SOFTWARE: PatentIn version 3.3
;  SEQ ID NO 44
;  LENGTH: 384
;  TYPE: PRT
;  ORGANISM: acremonium crysogenum
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 13 .. 13
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 18 .. 18
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 45 .. 45
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 59 .. 59
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 89 .. 89
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 137 .. 137
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 145 .. 145
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 206 .. 206
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 297 .. 297
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 320 .. 320
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 326 .. 326
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 366 .. 366
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
;  FEATURE:
;  NAME/KEY: unsure
;  LOCATION: 384 .. 384
;  OTHER INFORMATION: All occurrences of Xaa indicate any amino acid
US-10-525-674-44

Query Match             62.3%;  Score 33;  DB 6;  Length 384;
Best Local Similarity   66.7%;  Pred. No. 49;
Matches    6;  Conservative   1;  Mismatches   2;  Indels   0;  Gaps   0;

Qy          2 LQEDPPAGV 10
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Db        238 LQESKPAGI 246
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RESULT 11
US-10-531-036-37
;  Sequence 37, Application US/10531036
;  Publication No. US20060015951A1
;  GENERAL INFORMATION:
;  APPLICANT: Eulenberg, Karsten
;  APPLICANT: Meise, Martin
;  APPLICANT: Molitor, Andreas
;  APPLICANT: Steuernagel, Arnd
;  TITLE OF INVENTION: Proteins Involved in the Regulation of Energy Homeostasis
;  FILE REFERENCE: 2923-696
;  CURRENT APPLICATION NUMBER: US/10/531,036
;  CURRENT FILING DATE: 2005-04-12
;  PRIOR APPLICATION NUMBER: PCT/EP03/11352
;  PRIOR FILING DATE: 2003-10-14
;  PRIOR APPLICATION NUMBER: EP 02024747.4
;  PRIOR FILING DATE: 2002-11-06
;  PRIOR APPLICATION NUMBER: EP 02023560.2
;  PRIOR FILING DATE: 2002-10-22
;  PRIOR APPLICATION NUMBER: EP 02022880.5
;  PRIOR FILING DATE: 2002-10-14
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.3
;  SEQ ID NO 37
;  LENGTH: 1250
;  TYPE: PRT
;  ORGANISM: Drosophila melanogaster
US-10-531-036-37

Query Match             62.3%;  Score 33;  DB 6;  Length 1250;
Best Local Similarity   62.5%;  Pred. No. 1.6e+02;
Matches    5;  Conservative   2;  Mismatches   1;  Indels   0;  Gaps   0;

Qy          2 LQEDPPAG 9
              ::|||||
Db        994 IMKDPPAG 1001

RESULT 12
US-11-143-980-46
;  Sequence 46, Application US/11143980
;  Publication No. US20050272133A1
;  GENERAL INFORMATION:
;  APPLICANT: He, Min
;  APPLICANT: Hucul, John
;  APPLICANT: Haltli, Bradley A.
;  APPLICANT: Wagenaar, Melissa M.
;  APPLICANT: Graziani, Edmund
;  APPLICANT: Summers, Mia
;  APPLICANT: Kulowski, Kerry
;  APPLICANT: Pong, Kevin
;  TITLE OF INVENTION: Biosynthetic Gene Cluster for the Production of a Complex
;  TITLE OF INVENTION: Polyketide
;  FILE REFERENCE: AM-101426US
;  CURRENT APPLICATION NUMBER: US/11/143,980
;  CURRENT FILING DATE: 2005-06-03
;  PRIOR APPLICATION NUMBER: US 60/664,483
;  PRIOR FILING DATE: 2005-03-23
;  PRIOR APPLICATION NUMBER: US 60/576,895
;  PRIOR FILING DATE: 2004-06-03
;  NUMBER OF SEQ ID NOS: 72
;  SOFTWARE: PatentIn version 3.3
;  SEQ ID NO 46
;  LENGTH: 1572
;  TYPE: PRT
;  ORGANISM: Streptomyces sp.
US-11-143-980-46

Query Match             62.3%;  Score 33;  DB 7;  Length 1572;
Best Local Similarity   60.0%;  Pred. No. 2e+02;
Matches    6;  Conservative   1;  Mismatches   3;  Indels   0;  Gaps   0;

Qy          1 RLQEDPPAGV 10
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Matches        6;  Conservative    0;  Mismatches    2;  Indels    2;  Gaps    0;

Qy        2 LQEDPPAG 9
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Db       23 LQEDTPPG 30

RESULT 15
US-10-821-234-1244
; Sequence 1244, Application US/10821234
; Publication No. US2005025511A1
; GENERAL INFORMATION:
;  APPLICANT: Labat, Ivan
;  APPLICANT: Stache-Crain, Birgit
;  APPLICANT: Andarmani, Susan
;  APPLICANT: Tang, Y. Tom
;  TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;  FILE REFERENCE: 821A
;  CURRENT APPLICATION NUMBER: US/10/821,234
;  CURRENT FILING DATE: 2004-04-07
;  PRIOR APPLICATION NUMBER: US 60/462,047
;  PRIOR FILING DATE: 2003-04-07
;  NUMBER OF SEQ ID NOS: 1704
;  SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1244
;  LENGTH: 149
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-821-234-1244

Query Match        58.5%;  Score 31;  DB 6;  Length 149;
Best Local Similarity  71.4%;  Pred. No. 43;
Matches        5;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        1 RLQEDPP 7
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Db       48 RLDDDPP 54

Search completed: February  7, 2006, 13:48:18
Job time : 4.88723 secs

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Db     1466 RLSDDPPVKV 1475
            || :|||  |

RESULT 13
US-11-082-544-58
; Sequence 58, Application US/11082544
; Publication No. US2005249706A1
; GENERAL INFORMATION:
;  APPLICANT: Bermudes, G.
;  APPLICANT: King, I.
;  APPLICANT: Clairmont, C.
;  APPLICANT: Lin, S.
;  APPLICANT: Belcourt, M.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
;  TITLE OF INVENTION: TUMOR-TARGETED DELIVERY OF EFFECTOR MOLECULES
;  FILE REFERENCE: 8002-059
;  CURRENT APPLICATION NUMBER: US/11/082,544
;  CURRENT FILING DATE: 2005-03-17
;  PRIOR APPLICATION NUMBER: US/09/645,415
;  PRIOR FILING DATE: 2000-08-24
;  PRIOR APPLICATION NUMBER: 60/157,581
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: 60/157,637
;  PRIOR FILING DATE: 1999-10-04
;  NUMBER OF SEQ ID NOS: 61
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 58
;  LENGTH: 134
;  TYPE: PRT
;  ORGANISM: Bacteriophage
US-11-082-544-58

Query Match        58.5%;  Score 31;  DB 7;  Length 134;
Best Local Similarity  75.0%;  Pred. No. 39;
Matches        6;  Conservative    0;  Mismatches    0;  Indels    2;  Gaps    0;

Qy        2 LQEDPPAG 9
            | | :||| |
Db       17 LQEDTPPG 24

RESULT 14
US-11-082-544-60
; Sequence 60, Application US/11082544
; Publication No. US2005249706A1
; GENERAL INFORMATION:
;  APPLICANT: Bermudes, G.
;  APPLICANT: King, I.
;  APPLICANT: Clairmont, C.
;  APPLICANT: Lin, S.
;  APPLICANT: Belcourt, M.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
;  TITLE OF INVENTION: TUMOR-TARGETED DELIVERY OF EFFECTOR MOLECULES
;  FILE REFERENCE: 8002-059
;  CURRENT APPLICATION NUMBER: US/11/082,544
;  CURRENT FILING DATE: 2005-03-17
;  PRIOR APPLICATION NUMBER: US/09/645,415
;  PRIOR FILING DATE: 2000-08-24
;  PRIOR APPLICATION NUMBER: 60/157,581
;  PRIOR FILING DATE: 1999-10-04
;  PRIOR APPLICATION NUMBER: 60/157,637
;  PRIOR FILING DATE: 1999-10-04
;  NUMBER OF SEQ ID NOS: 61
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 60
;  LENGTH: 140
;  TYPE: PRT
;  ORGANISM: Bacteriophage
US-11-082-544-60

Query Match        58.5%;  Score 31;  DB 7;  Length 140;
Best Local Similarity  75.0%;  Pred. No. 41;

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                Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:    February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
                                        (without alignments)
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Title:             US-10-006-177A-3
Perfect score:     44
Sequence:          1 KLDVGNAEV 9
Scoring table:     BLOSUM62
                   Gapop 10.0 , Gapext 0.5
Searched:          572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:           572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Issued Patents AA:*
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         Pred. No. is the number of results predicted by chance to have a
         score greater than or equal to the score of the result being printed,
         and is derived by analysis of the total score distribution.

                                SUMMARIES
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| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
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| 1 | 44 | 100.0 | 246 | 2 | US-09-180-167A-1 | Sequence 1, Appli |
| 2 | 44 | 100.0 | 246 | 2 | US-09-033-524B-1 | Sequence 1, Appli |
| 3 | 36 | 81.8 | 245 | 2 | US-09-180-167A-33 | Sequence 33, Appl |
| 4 | 36 | 81.8 | 245 | 2 | US-09-033-524B-33 | Sequence 33, Appl |
| 5 | 35 | 79.5 | 63 | 2 | US-09-180-167A-6 | Sequence 6, Appli |
| 6 | 35 | 79.5 | 63 | 2 | US-09-033-524B-6 | Sequence 6, Appli |
| 7 | 35 | 79.5 | 656 | 2 | US-09-902-540-9810 | Sequence 9810, Ap |
| 8 | 34 | 77.3 | 352 | 2 | US-09-252-991A-19989 | Sequence 19989, A |
| 9 | 34 | 77.3 | 435 | 2 | US-09-252-991A-28507 | Sequence 28507, A |
| 10 | 33 | 75.0 | 783 | 2 | US-09-252-991A-32103 | Sequence 32103, A |
| 11 | 32 | 72.7 | 168 | 2 | US-08-483-534A-2 | Sequence 2, Appli |
| 12 | 32 | 72.7 | 168 | 2 | US-08-972-301-2 | Sequence 2, Appli |
| 13 | 32 | 72.7 | 178 | 2 | US-09-813-718-6 | Sequence 6, Appli |
| 14 | 32 | 72.7 | 215 | 2 | US-09-016-7889 | Sequence 7889, Ap |
| 15 | 32 | 72.7 | 275 | 2 | US-09-134-000C-4313 | Sequence 4313, Ap |
| 16 | 32 | 72.7 | 301 | 1 | US-08-705-868-1 | Sequence 1, Appli |
| 17 | 32 | 72.7 | 301 | 2 | US-09-123-615-1 | Sequence 1, Appli |
| 18 | 32 | 72.7 | 301 | 2 | US-09-919-039-132 | Sequence 132, App |
| 19 | 32 | 72.7 | 393 | 2 | US-09-248-796A-19608 | Sequence 19608, A |
| 20 | 32 | 72.7 | 456 | 2 | US-09-634-238-276 | Sequence 276, App |
| 21 | 32 | 72.7 | 492 | 2 | US-09-949-016-10567 | Sequence 10567, A |
| 22 | 32 | 72.7 | 536 | 2 | US-09-813-718-2 | Sequence 2, Appli |
| 23 | 32 | 72.7 | 564 | 2 | US-09-252-991A-23143 | Sequence 23143, A |
| 24 | 32 | 72.7 | 664 | 2 | US-09-902-540-16365 | Sequence 16365, A |
| 25 | 32 | 72.7 | 973 | 2 | US-09-107-532A-4810 | Sequence 4810, Ap |
| 26 | 32 | 72.7 | 1163 | 2 | US-09-134-000C-5707 | Sequence 5707, Ap |
| 27 | 31 | 70.5 | 154 | 2 | US-09-621-976-4212 | Sequence 4212, Ap |
| 28 | 31 | 70.5 | 314 | 2 | US-09-489-039A-10377 | Sequence 10377, A |
| 29 | 31 | 70.5 | 327 | 2 | US-09-949-016-7336 | Sequence 7336, Ap |
| 30 | 31 | 70.5 | 393 | 2 | US-09-134-000C-5914 | Sequence 5914, Ap |
| 31 | 31 | 70.5 | 427 | 2 | US-09-591-279A-25 | Sequence 25, Appl |
| 32 | 31 | 70.5 | 431 | 2 | US-09-540-236-3536 | Sequence 3536, Ap |
| 33 | 31 | 70.5 | 461 | 2 | US-09-355-115-7 | Sequence 7, Appli |
| 34 | 31 | 70.5 | 537 | 2 | US-09-252-991A-20929 | Sequence 20929, A |
| 35 | 31 | 70.5 | 614 | 2 | US-09-489-039A-12605 | Sequence 12605, A |
| 36 | 31 | 70.5 | 733 | 2 | US-09-949-016-7651 | Sequence 7651, Ap |
| 37 | 31 | 70.5 | 925 | 2 | US-09-252-991A-27057 | Sequence 27057, A |
| 38 | 31 | 70.5 | 1151 | 2 | US-09-252-991A-21328 | Sequence 21328, A |
| 39 | 31 | 70.5 | 1270 | 2 | US-10-101-464A-979 | Sequence 979, App |
| 40 | 31 | 70.5 | 1400 | 2 | US-09-764-176-7 | Sequence 7, Appli |
| 41 | 30 | 68.2 | 62 | 2 | US-09-107-433-3465 | Sequence 3465, Ap |
| 42 | 30 | 68.2 | 162 | 2 | US-10-101-464A-611 | Sequence 611, App |
| 43 | 30 | 68.2 | 189 | 2 | US-09-328-352-6722 | Sequence 6722, Ap |
| 44 | 30 | 68.2 | 197 | 2 | US-09-270-767-42862 | Sequence 42862, A |
| 45 | 30 | 68.2 | 210 | 2 | US-09-344-624-8 | Sequence 8, Appli |

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                                ALIGNMENTS

RESULT 1
US-09-180-167A-1
; Sequence 1, Application US/09180167A
; Patent No. 6558950
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS
; FILE REFERENCE: 50013/004003
; CURRENT APPLICATION NUMBER: US/09/180,167A
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: PCT/IB98/00706
; PRIOR FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 246
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-180-167A-1

  Query Match           100.0%;  Score 44;  DB 2;  Length 246;
  Best Local Similarity 100.0%;  Pred. No. 0.092;
  Matches     9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

  Qy        1 KLDVGNAEV 9
              |||||||||
  Db      167 KLDVGNAEV 175


RESULT 2
US-09-033-524B-1
; Sequence 1, Application US/09033524B
; Patent No. 6607880
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS
; FILE REFERENCE: 50013/004002
; CURRENT APPLICATION NUMBER: US/09/033,524B
; CURRENT FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 246
;   TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-033-524B-1

Query Match          100.0%;   Score 44;  DB 2;  Length 246;
Best Local Similarity 100.0%;   Pred. No. 0.092;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 KLDVGNAEV 9
         |||||||||
Db  167 KLDVGNAEV 175


RESULT 3
US-09-180-167A-33
; Sequence 33, Application US/09180167A
; Patent No. 6559950
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS
; FILE REFERENCE: 50013/004003
; CURRENT APPLICATION NUMBER: US/09/180,167A
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: PCT/IB98/00706
; PRIOR FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-180-167A-33

Query Match          81.8%;    Score 36;  DB 2;  Length 245;
Best Local Similarity 66.7%;    Pred. No. 5.5;
Matches  6;  Conservative  2;  Mismatches  2;  Indels  1;  Gaps  0;

Qy    1 KLDVGNAEV 9
         |||:||:|
Db  167 KLDIGNTEM 175


RESULT 4
US-09-033-524B-33
; Sequence 33, Application US/09033524B
; Patent No. 6607880
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS
; FILE REFERENCE: 50013/004002
; CURRENT APPLICATION NUMBER: US/09/033,524B
; CURRENT FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-033-524B-33

Query Match          81.8%;    Score 36;  DB 2;  Length 245;
Best Local Similarity 66.7%;    Pred. No. 5.5;
Matches  6;  Conservative  2;  Mismatches  2;  Indels  1;  Gaps  0;

Qy    1 KLDVGNAEV 9
         |||:||:|
Db  167 KLDIGNTEM 175
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RESULT 5
US-09-180-167A-6
; Sequence 6, Application US/09180167A
; Patent No. 6559950
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS
; FILE REFERENCE: 50013/004003
; CURRENT APPLICATION NUMBER: US/09/180,167A
; CURRENT FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: PCT/IB98/00706
; PRIOR FILING DATE: 1998-03-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-167A-6

Query Match          79.5%;    Score 35;  DB 2;  Length 63;
Best Local Similarity 100.0%;   Pred. No. 1.9;
Matches  7;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    3 DVGNAEV 9
         |||||||
Db    1 DVGNAEV 7


RESULT 6
US-09-033-524B-6
; Sequence 6, Application US/09033524B
; Patent No. 6607880
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: APOPTOSIS
; FILE REFERENCE: 50013/004002
; CURRENT APPLICATION NUMBER: US/09/033,524B
; CURRENT FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: CA 2,198,988
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-033-524B-6

Query Match          79.5%;    Score 35;  DB 2;  Length 63;
Best Local Similarity 100.0%;   Pred. No. 1.9;
Matches  7;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    3 DVGNAEV 9
         |||||||
Db    1 DVGNAEV 7


RESULT 7
US-09-902-540-9810
; Sequence 9810, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
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; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 9810
; LENGTH: 656
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-9810

Query Match        79.5%;    Score 35; DB 2; Length 656;
Best Local Similarity 77.8%;   Pred. No. 29;
Matches  7; Conservative  1; Mismatches  1; Indels  0; Gaps  0;

Qy    1 KLDVGNAEV 9
        |:|||||
Db  479 KVDVGNAPV 487

RESULT 8
US-09-252-991A-19989
; Sequence 19989, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19989
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19989

Query Match        77.3%;    Score 34; DB 2; Length 352;
Best Local Similarity 87.5%;   Pred. No. 24;
Matches  7; Conservative  1; Mismatches  1; Indels  0; Gaps  0;

Qy    2 LDVGNAEV 9
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Db  257 LDVGHAEV 264

RESULT 9
US-09-252-991A-28507
; Sequence 28507, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28507
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28507


Query Match        77.3%;    Score 34; DB 2; Length 435;
Best Local Similarity 66.7%;   Pred. No. 30;
Matches  6; Conservative  2; Mismatches  2; Indels  1; Gaps  0;

Qy    1 KLDVGNAEV 9
        :|||||:
Db  384 RLDVGNGEL 392

RESULT 10
US-09-252-991A-32103
; Sequence 32103, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32103
; LENGTH: 783
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32103

Query Match        75.0%;    Score 33; DB 2; Length 783;
Best Local Similarity 55.6%;   Pred. No. 1e+02;
Matches  5; Conservative  3; Mismatches  3; Indels  1; Gaps  0;

Qy    1 KLDVGNAEV 9
        :||:|:||
Db  383 RLDIGTAEI 391

RESULT 11
US-08-483-534A-2
; Sequence 2, Application US/08483534A
; Patent No. 6013483
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig
; APPLICANT: Coleman, Timothy A
; TITLE OF INVENTION: Endothelial-Monocyte Activating
; TITLE OF INVENTION: Polypeptide III
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,534A
; FILING DATE: 07 JUN 95
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-464 (PF206)
; TELECOMMUNICATION INFORMATION:
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;           TELEPHONE: 201-994-1700
;           TELEFAX: 201-994-1744
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 168 AMINO ACIDS
;           TYPE: AMINO ACID
;           STRANDEDNESS:
;           TOPOLOGY: LINEAR
;       MOLECULE TYPE: PROTEIN
US-08-483-534A-2

Query Match             72.7%;  Score 32;  DB 2;  Length 168;
Best Local Similarity   75.0%;  Pred. No. 28;
Matches     6;  Conservative    1;  Mismatches   1;  Indels    1;  Gaps    0;

Qy          1 KLDVGNAE 8
              |:||||  ||
Db         31 KIDVGEAE 38


RESULT 12
US-08-972-301-2
; Sequence 2, Application US/08972301
; Patent No. 664226
; GENERAL INFORMATION:
;   APPLICANT: Coleman, Timothy A.
;   APPLICANT: Rosen, Craig A.
;   TITLE OF INVENTION: Endothelial Monocyte Activating
;   TITLE OF INVENTION: Polypeptide III
;   NUMBER OF SEQUENCES: 7
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Human Genome Sciences, Inc.
;     STREET: 9410 Key West Avenue
;     CITY: Rockville,
;     STATE: MD
;     COUNTRY: USA
;     ZIP: 20850
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/972,301
;     FILING DATE: 18-NOV-1997
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/483,534
;     FILING DATE: 07-JUN-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Marks, Michelle S.
;     REGISTRATION NUMBER: 41,971
;     REFERENCE/DOCKET NUMBER: PF206D1
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 301-309-8504
;     TELEFAX: 301-309-8439
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 168 amino acids
;           TYPE: amino acid
;           TOPOLOGY: linear
;       MOLECULE TYPE: protein
US-08-972-301-2

Query Match             72.7%;  Score 32;  DB 2;  Length 168;
Best Local Similarity   75.0%;  Pred. No. 28;
Matches     6;  Conservative    1;  Mismatches   1;  Indels    1;  Gaps    0;

Qy          1 KLDVGNAE 8
              |:||||  ||
Db         31 KIDVGEAE 38
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RESULT 13
US-09-813-718-6
; Sequence 6, Application US/09813718
; Patent No. 6903189
; GENERAL INFORMATION:
;   APPLICANT: Schimmel, Paul
;   APPLICANT: Wakasugi, Keisuke
;   TITLE OF INVENTION: Human Aminoacyl-tRNA Synthetase Polypeptides Useful For
;   TITLE OF INVENTION: The Regulation of Angiogenesis
;   FILE REFERENCE: 00-221
;   CURRENT APPLICATION NUMBER: US/09/813,718
;   CURRENT FILING DATE: 2001-03-21
;   NUMBER OF SEQ ID NOS: 58
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 178
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;     OTHER INFORMATION: Description of Artificial Sequence:  human TyrRS
;     OTHER INFORMATION: carboxyl-terminal domain in pET20B
US-09-813-718-6

Query Match             72.7%;  Score 32;  DB 2;  Length 178;
Best Local Similarity   75.0%;  Pred. No. 30;
Matches     6;  Conservative    1;  Mismatches   1;  Indels    1;  Gaps    0;

Qy          1 KLDVGNAE 8
              |:||||  ||
Db         33 KIDVGEAE 40


RESULT 14
US-09-949-016-7889
; Sequence 7889, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7889
;   LENGTH: 215
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-7889

Query Match             72.7%;  Score 32;  DB 2;  Length 215;
Best Local Similarity   66.7%;  Pred. No. 37;
Matches     6;  Conservative    2;  Mismatches   2;  Indels    1;  Gaps    0;

Qy          1 KLDVGNAEV 9
              |:||||: ||
Db         18 KMDVGSKEV 26


RESULT 15
US-09-134-000C-4313
; Sequence 4313, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
;   APPLICANT: Lynn Doucette-Stamm et al
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
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; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4313
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-4313

Query Match          72.7%;    Score 32;  DB 2;  Length 275;
Best Local Similarity 66.7%;    Pred. No. 49;
Matches    6;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy     1 KLDVGNAEV 9
         |||| || ||  :
Db    74 KLDVNNARI 82

Search completed: February. 7, 2006, 12:49:36
Job time : 21.4894 secs

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                    GenCore version 5.1.7
         Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:    February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
                                (without alignments)
                        58.015 Million cell updates/sec

Title:          US-10-006-177A-3
Perfect score:  44
Sequence:       1 KLDVGNAEV 9

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       1867569 seqs, 417782326 residues

Total number of hits satisfying chosen parameters:      1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Published Applications_AA_Main:*
            1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
            2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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            4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
            5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
            6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                                SUMMARIES
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| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 44 | 100.0 | 9 | 4 | US-10-006-177-3 | Sequence 3, Appli |
| 2 | 44 | 100.0 | 87 | 4 | US-10-408-765A-2451 | Sequence 2451, Ap |
| 3 | 44 | 100.0 | 123 | 5 | US-10-450-763-58558 | Sequence 58558, A |
| 4 | 44 | 100.0 | 291 | 3 | US-09-833-790-433 | Sequence 433, App |
| 5 | 44 | 100.0 | 313 | 4 | US-10-094-749-3232 | Sequence 3232, Ap |
| 6 | 36 | 81.8 | 245 | 4 | US-10-205-194-99 | Sequence 99, Appl |
| 7 | 36 | 81.8 | 715 | 4 | US-10-424-599-209081 | Sequence 209081, |
| 8 | 34 | 77.3 | 250 | 4 | US-10-425-115-235635 | Sequence 235635, |
| 9 | 34 | 77.3 | 275 | 4 | US-10-282-122A-66155 | Sequence 66155, A |
| 10 | 33 | 75.0 | 95 | 4 | US-10-767-701-39751 | Sequence 39751, A |
| 11 | 33 | 75.0 | 460 | 5 | US-10-923-960-23 | Sequence 23, Appl |
| 12 | 33 | 75.0 | 460 | 6 | US-11-097-143-15579 | Sequence 15579, A |
| 13 | 33 | 75.0 | 839 | 6 | US-11-097-143-16410 | Sequence 16410, A |
| 14 | 33 | 75.0 | 991 | 4 | US-10-307-817-590 | Sequence 590, App |
| 15 | 33 | 75.0 | 1108 | 4 | US-10-437-963-149563 | Sequence 149563, |
| 16 | 32 | 72.7 | 73 | 4 | US-10-425-115-227020 | Sequence 227020, |
| 17 | 32 | 72.7 | 124 | 4 | US-10-425-114-45099 | Sequence 45099, A |
| 18 | 32 | 72.7 | 162 | 4 | US-10-425-114-69358 | Sequence 69358, A |
| 19 | 32 | 72.7 | 168 | 5 | US-10-910-403-2 | Sequence 2, Appli |
| 20 | 32 | 72.7 | 171 | 4 | US-10-282-122A-71353 | Sequence 71353, A |
| 21 | 32 | 72.7 | 178 | 3 | US-09-813-718-6 | Sequence 6, Appli |
| 22 | 32 | 72.7 | 178 | 4 | US-10-240-532-6 | Sequence 6, Appli |
| 23 | 32 | 72.7 | 178 | 4 | US-10-240-527A-6 | Sequence 6, Appli |
| 24 | 32 | 72.7 | 216 | 3 | US-09-925-302-482 | Sequence 482, App |
| 25 | 32 | 72.7 | 216 | 3 | US-09-925-302-482 | Sequence 482, App |
| 26 | 32 | 72.7 | 259 | 4 | US-10-437-963-159595 | Sequence 159595, |
| 27 | 32 | 72.7 | 275 | 4 | US-10-424-599-167960 | Sequence 167960, |
| 28 | 32 | 72.7 | 277 | 4 | US-10-425-115-296154 | Sequence 296154, |
| 29 | 32 | 72.7 | 301 | 3 | US-09-919-039-132 | Sequence 132, App |
| 30 | 32 | 72.7 | 301 | 5 | US-10-858-412-235 | Sequence 235, App |
| 31 | 32 | 72.7 | 326 | 4 | US-10-425-115-202868 | Sequence 202868, |
| 32 | 32 | 72.7 | 341 | 4 | US-10-437-963-131112 | Sequence 131112, |
| 33 | 32 | 72.7 | 351 | 5 | US-10-858-412-234 | Sequence 234, App |
| 34 | 32 | 72.7 | 388 | 4 | US-10-282-122A-67408 | Sequence 67408, A |
| 35 | 32 | 72.7 | 441 | 5 | US-10-739-930-11049 | Sequence 11049, A |
| 36 | 32 | 72.7 | 456 | 4 | US-10-264-213-179 | Sequence 179, App |
| 37 | 32 | 72.7 | 466 | 4 | US-10-437-963-119990 | Sequence 119990, |
| 38 | 32 | 72.7 | 528 | 5 | US-10-370-715B-372 | Sequence 372, App |
| 39 | 32 | 72.7 | 534 | 4 | US-10-369-493-22005 | Sequence 22005, A |
| 40 | 32 | 72.7 | 536 | 3 | US-09-813-718-2 | Sequence 2, Appli |
| 41 | 32 | 72.7 | 536 | 4 | US-10-240-532-2 | Sequence 2, Appli |
| 42 | 32 | 72.7 | 536 | 4 | US-10-240-527A-2 | Sequence 2, Appli |
| 43 | 32 | 72.7 | 556 | 4 | US-10-389-647-625 | Sequence 625, App |
| 44 | 32 | 72.7 | 622 | 4 | US-10-425-115-344123 | Sequence 344123, |
| 45 | 32 | 72.7 | 632 | 4 | US-10-437-963-146725 | Sequence 146725, |

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                            ALIGNMENTS

RESULT 1
US-10-006-177-3
; Sequence 3, Application US/10006177
; Publication No. US2003016551301
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE:  2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-3

  Query Match        100.0%;  Score 44;  DB 4;  Length 9;
  Best Local Similarity  100.0%;  Pred. No. 1.7e+06;
  Matches    9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 KLDVGNAEV 9
          |||||||||
Db      1 KLDVGNAEV 9

RESULT 2
US-10-408-765A-2451
; Sequence 2451, Application US/10408765A
; Publication No. US2004010187401
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale B.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
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  ;   FILE REFERENCE: 660088.465
  ;   CURRENT APPLICATION NUMBER: US/10/408,765A
  ;   CURRENT FILING DATE: 2003-04-04
  ;   NUMBER OF SEQ ID NOS: 3077
  ;   SOFTWARE: FastSEQ for Windows Version 4.0
  ;   SEQ ID NO 2451
  ;   LENGTH: 87
  ;   TYPE: PRT
  ;   ORGANISM: Homo sapiens
US-10-408-765A-2451

Query Match             100.0%;  Score 44;  DB 4;  Length 87;
Best Local Similarity   100.0%;  Pred. No. 0.25;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KLDVGNAEV 9
              |||||||||
Db         27 KLDVGNAEV 35

RESULT 3
US-10-450-763-58558
  ; Sequence 58558, Application US/10450763
  ; Publication No. US20050196754A1
  ; GENERAL INFORMATION:
  ;   APPLICANT: Hybeq,Inc
  ;   TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
  ;   FILE REFERENCE: 790CIP3/US
  ;   CURRENT APPLICATION NUMBER: US/10/450,763
  ;   CURRENT FILING DATE: 2003-06-11
  ;   PRIOR APPLICATION NUMBER: PCT/US01/08631
  ;   PRIOR FILING DATE: 2001-03-30
  ;   PRIOR APPLICATION NUMBER: 09/540,217
  ;   PRIOR FILING DATE: 2000-03-31
  ;   PRIOR APPLICATION NUMBER: 09/649,167
  ;   PRIOR FILING DATE: 2000-08-23
  ;   NUMBER OF SEQ ID NOS: 60736
  ;   SOFTWARE: Custom
  ;   SEQ ID NO 58558
  ;   LENGTH: 123
  ;   TYPE: PRT
  ;   ORGANISM: Homo sapiens
  ;   FEATURE:
  ;   NAME/KEY: DOMAIN
  ;   LOCATION: (39)..(93)
  ;   OTHER INFORMATION: Kinesin light chain repeat proteins domain identified by
  ;   OTHER INFORMATION: eMATRIX, accession number BL01160B, p-value=5.653e-09, raw score
  ;   OTHER INFORMATION: 19.54
US-10-450-763-58558

Query Match             100.0%;  Score 44;  DB 5;  Length 123;
Best Local Similarity   100.0%;  Pred. No. 0.36;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KLDVGNAEV 9
              |||||||||
Db         43 KLDVGNAEV 51

RESULT 4
US-09-833-790-433
  ; Sequence 433, Application US/09833790
  ; Patent No. US20020068288A1
  ; GENERAL INFORMATION:
  ;   APPLICANT: Lodes, Michael J.
  ;   APPLICANT: Wang, Tongtong
  ;   APPLICANT: Secrist, Heather
  ;   APPLICANT: Mohamath, Raodoh
  ;   APPLICANT: Indirias, Carol Y.
  ;   APPLICANT: Fan, Liqun
  ;   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
  ;   TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
  ;   FILE REFERENCE: 210121.512
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  ;   CURRENT APPLICATION NUMBER: US/09/833.465
  ;   CURRENT FILING DATE: 2001-04-11
  ;   NUMBER OF SEQ ID NOS: 440
  ;   SOFTWARE: FastSEQ for Windows Version 4.0
  ;   SEQ ID NO 433
  ;   LENGTH: 291
  ;   TYPE: PRT
  ;   ORGANISM: Homo sapiens
US-09-833-790-433

Query Match             100.0%;  Score 44;  DB 3;  Length 291;
Best Local Similarity   100.0%;  Pred. No. 0.95;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KLDVGNAEV 9
              |||||||||
Db        212 KLDVGNAEV 220

RESULT 5
US-10-094-749-3232
  ; Sequence 3232, Application US/10094749
  ; Publication No. US20030219741A1
  ; GENERAL INFORMATION:
  ;   APPLICANT: ISOGAI, TAKAO
  ;   APPLICANT: SUGIYAMA, TOMOYASU
  ;   APPLICANT: OTSUKI, TETSUJI
  ;   APPLICANT: WAKAMATSU, AI
  ;   APPLICANT: SATO, HIROYUKI
  ;   APPLICANT: ISHII, SHIZUKO
  ;   APPLICANT: YAMAMOTO, JUN-ICHI
  ;   APPLICANT: ISONO, YUUKO
  ;   APPLICANT: HIO, YURI
  ;   APPLICANT: OTSUKA, KAORU
  ;   APPLICANT: NAGAI, KEIICHI
  ;   APPLICANT: IRIE, RYOTARO
  ;   APPLICANT: TAMECHIKA, ICHIRO
  ;   APPLICANT: SEKI, NAOHIKO
  ;   APPLICANT: YOSHIKAWA, TSUTOMU
  ;   APPLICANT: OTSUKA, MOTOYUKI
  ;   APPLICANT: NAGAHARI, KENJI
  ;   APPLICANT: MASUHO, YASUHIKO
  ;   TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
  ;   FILE REFERENCE: 084335/0160
  ;   CURRENT APPLICATION NUMBER: US/10/094,749
  ;   CURRENT FILING DATE: 2002-03-12
  ;   PRIOR APPLICATION NUMBER: 60/350,435
  ;   PRIOR FILING DATE: 2002-01-24
  ;   PRIOR APPLICATION NUMBER: JP 2001-328381
  ;   PRIOR FILING DATE: 2001-09-14
  ;   NUMBER OF SEQ ID NOS: 3381
  ;   SOFTWARE: PatentIn Ver. 2.1
  ;   SEQ ID NO 3232
  ;   LENGTH: 313
  ;   TYPE: PRT
  ;   ORGANISM: Homo sapiens
US-10-094-749-3232

Query Match             100.0%;  Score 44;  DB 4;  Length 313;
Best Local Similarity   100.0%;  Pred. No. 1;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 KLDVGNAEV 9
              |||||||||
Db        234 KLDVGNAEV 242

RESULT 6
US-10-205-194-99
  ; Sequence 99, Application US/10205194
  ; Publication No. US20030134301A1
  ; GENERAL INFORMATION:
  ;   APPLICANT: Warner-Lambert Company
```

; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pinnock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018201
; CURRENT APPLICATION NUMBER: US/10/205,194
; CURRENT FILING DATE: 5200-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
;    LENGTH: 245
;    TYPE: PRT
;    ORGANISM: Mus musculus
;    FEATURE:
;    OTHER INFORMATION: BAP31
US-10-205-194-99

Query Match        81.8%;  Score 36;  DB 4;  Length 245;
Best Local Similarity   66.7%;  Pred. No. 37;
Matches     6;  Conservative   2;  Mismatches   1;  Indels   0;  Gaps   0;

Qy     1 KLDVGNAEV 9
         |||:|| |:
Db   167 KLDIGNTEM 175

RESULT 7
US-10-424-599-209081
; Sequence 209081, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 209081
;    LENGTH: 715
;    TYPE: PRT
;    ORGANISM: Glycine max
;    FEATURE:
;    NAME/KEY: unsure
;    LOCATION: (1)..(715)
;    OTHER INFORMATION: unsure at all Xaa locations
;    FEATURE:
;    OTHER INFORMATION: Clone ID: PAT_MRT3847_30828C.1.pep
US-10-424-599-209081

Query Match        81.8%;  Score 36;  DB 4;  Length 715;
Best Local Similarity   87.5%;  Pred. No. 1.2e+02;
Matches     7;  Conservative   1;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     2 LDVGNAEV 9
         :||||||
Db   127 VDVGNAEV 134

RESULT 8
US-10-425-115-235635
; Sequence 235635, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 235635
;    LENGTH: 250
;    TYPE: PRT
;    ORGANISM: Zea mays
;    FEATURE:
;    OTHER INFORMATION: Clone ID: MRT4577_146484C.1.pep
US-10-425-115-235635

Query Match        77.3%;  Score 34;  DB 4;  Length 250;
Best Local Similarity   66.7%;  Pred. No. 1e+02;
Matches     6;  Conservative   3;  Mismatches   3;  Indels   0;  Gaps   0;

Qy     1 KLDVGNAEV 9
         :||||:|:
Db    86 ELDVGNSEL 94

RESULT 9
US-10-282-122A-66155
; Sequence 66155, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66155
;    LENGTH: 275
;    TYPE: PRT
;    ORGANISM: Pseudomonas aeruginosa
US-10-282-122A-66155

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Query Match           77.3%;    Score 34;  DB 4;  Length 275;
Best Local Similarity 66.7%;    Pred. No. 1.1e+02;
Matches    6;  Conservative   2;  Mismatches   1;  Indels   1;  Gaps   0;

Qy      1 KLDVGNAEV 9
          :||:||||:
Db    224 RLDVGNGEL 232

RESULT 10
US-10-767-701-39751
; Sequence 39751, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
;  APPLICANT: Kovalic, David K.
;  APPLICANT: Zhou, Yihua
;  APPLICANT: Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
;  FILE REFERENCE: 38-21(53535)B
;  CURRENT APPLICATION NUMBER: US/10/767,701
;  CURRENT FILING DATE: 2004-01-29
;  NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 39751
;  LENGTH: 95
;  TYPE: PRT
;  ORGANISM: Sorghum bicolor
;  FEATURE:
;  OTHER INFORMATION: Clone ID: SORBI-28MAY03-C29032_1.pep
US-10-767-701-39751

Query Match           75.0%;    Score 33;  DB 4;  Length 95;
Best Local Similarity 66.7%;    Pred. No. 55;
Matches    6;  Conservative   2;  Mismatches   1;  Indels   1;  Gaps   0;

Qy      1 KLDVGNAEV 9
          ||:|||||:
Db     67 KLEPGNAEI 75

RESULT 11
US-10-923-960-23
; Sequence 23, Application US/10923960
; Publication No. US20050019890A1
; GENERAL INFORMATION:
;  APPLICANT: Croce, Carlo
;  TITLE OF INVENTION: Nitrilase Homologs
;  FILE REFERENCE: TJU-2510
;  CURRENT APPLICATION NUMBER: US/10/923,960
;  CURRENT FILING DATE: 2004-08-23
;  PRIOR APPLICATION NUMBER: US/09/357,675
;  PRIOR APPLICATION FILING DATE: 1999-07-20
;  PRIOR APPLICATION NUMBER: 60/093,350
;  PRIOR APPLICATION FILING DATE: 1998-07-20
;  NUMBER OF SEQ ID NOS: 31
;  SOFTWARE: Patentin version 3.2
; SEQ ID NO 23
;  LENGTH: 460
;  TYPE: PRT
;  ORGANISM: Drosophila melanogaster
US-10-923-960-23

Query Match           75.0%;    Score 33;  DB 5;  Length 460;
Best Local Similarity 66.7%;    Pred. No. 3.2e+02;
Matches    6;  Conservative   2;  Mismatches   1;  Indels   1;  Gaps   0;

Qy      1 KLDVGNAEV 9
          :||:| |||
Db    269 ELDIGTAEV 277

RESULT 12
US-11-097-143-15579
; Sequence 15579, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
;  APPLICANT: Venter, J. Craig
;  APPLICANT: et al.
;  TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
;  TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
;  TITLE OF INVENTION: DROSOPHILA GENES.
;  FILE REFERENCE: CL000728
;  CURRENT APPLICATION NUMBER: US/11/097,143
;  CURRENT FILING DATE: 2005-04-04
;  PRIOR APPLICATION NUMBER: 60/157,832
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: 60/160,191
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: 60/161,932
;  PRIOR FILING DATE: 1999-10-28
;  PRIOR APPLICATION NUMBER: 60/164,769
;  PRIOR FILING DATE: 1999-11-12
;  PRIOR APPLICATION NUMBER: 60/173,383
;  PRIOR FILING DATE: 1999-12-28
;  PRIOR APPLICATION NUMBER: 60/175,693
;  PRIOR FILING DATE: 2000-01-12
;  PRIOR APPLICATION NUMBER: 60/184,831
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: 60/191,637
;  PRIOR FILING DATE: 2000-03-23
;  NUMBER OF SEQ ID NOS: 43008
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15579
;  LENGTH: 460
;  TYPE: PRT
;  ORGANISM: DROSOPHILA
US-11-097-143-15579

Query Match           75.0%;    Score 33;  DB 6;  Length 460;
Best Local Similarity 66.7%;    Pred. No. 3.2e+02;
Matches    6;  Conservative   2;  Mismatches   1;  Indels   1;  Gaps   0;

Qy      1 KLDVGNAEV 9
          :||:| |||
Db    269 ELDIGTAEV 277

RESULT 13
US-11-097-143-16410
; Sequence 16410, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
;  APPLICANT: Venter, J. Craig
;  APPLICANT: et al.
;  TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
;  TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
;  TITLE OF INVENTION: DROSOPHILA GENES.
;  FILE REFERENCE: CL000728
;  CURRENT APPLICATION NUMBER: US/11/097,143
;  CURRENT FILING DATE: 2005-04-04
;  PRIOR APPLICATION NUMBER: 60/157,832
;  PRIOR FILING DATE: 1999-10-05
;  PRIOR APPLICATION NUMBER: 60/160,191
;  PRIOR FILING DATE: 1999-10-19
;  PRIOR APPLICATION NUMBER: 60/161,932
;  PRIOR FILING DATE: 1999-10-28
;  PRIOR APPLICATION NUMBER: 60/164,769
;  PRIOR FILING DATE: 1999-11-12
;  PRIOR APPLICATION NUMBER: 60/173,383
;  PRIOR FILING DATE: 1999-12-28
;  PRIOR APPLICATION NUMBER: 60/175,693
;  PRIOR FILING DATE: 2000-01-12
;  PRIOR APPLICATION NUMBER: 60/184,831
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: 60/191,637
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; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16410
; LENGTH: 839
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-16410

Query Match        75.0%;    Score 33;  DB 6;  Length 839;
Best Local Similarity    55.6%;    Pred. No. 6.2e+02;
Matches      5;  Conservative    4;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 KLDVGNAEV 9
            ::|:||:||
Db       65 EVDIGNSEV 73

RESULT 14
US-10-307-817-590
; Sequence 590, Application US/10307817
; Publication No.US20040058338A1
; GENERAL INFORMATION:
;   APPLICANT: Agee et al.
;   TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
;   FILE REFERENCE: 21402-502C
;   CURRENT APPLICATION NUMBER: US/10/307,817
;   CURRENT FILING DATE: 2002-12-02
;   NUMBER OF SEQ ID NOS: 682
;   SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 590
;   LENGTH: 991
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-307-817-590

Query Match        75.0%;    Score 33;  DB 4;  Length 991;
Best Local Similarity    66.7%;    Pred. No. 7.5e+02;
Matches      6;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        1 KLDVGNAEV 9
            |::|||||
Db      452 KMNVGNTEV 460

RESULT 15
US-10-437-963-149563
; Sequence 149563, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
;   APPLICANT: La Rosa, Thomas J.
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   APPLICANT: Wu, Wei
;   APPLICANT: Boukharov, Andrey A.
;   APPLICANT: Barbazuk, Brad
;   APPLICANT: Li, Ping
;   TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION:  Plants and Uses Thereof for Plant Improvement
;   FILE REFERENCE: 38-21(53221)B
;   CURRENT APPLICATION NUMBER: US/10/437,963
;   CURRENT FILING DATE: 2003-05-14
;   NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 149563
;   LENGTH: 1108
;   TYPE: PRT
;   ORGANISM: Oryza sativa
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(1108)
;   OTHER INFORMATION: unsure at all Xaa locations
;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT4530_49884C.1.pep
US-10-437-963-149563

Query Match        75.0%;    Score 33;  DB 4;  Length 1108;
Best Local Similarity    66.7%;    Pred. No. 8.5e+02;
Matches      6;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        1 KLDVGNAEV 9
            ||| ||||:
Db     1082 KLDSGNVEI 1090

Search completed: February  7, 2006, 13:47:28
Job time : 64.9191 secs

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              GenCore version 5.1.7
      Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:      February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
                                           (without alignments)
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Title:            US-10-006-177A-3
Perfect score:    44
Sequence:         1 KLDVGNAEV 9

Scoring table:    BLOSUM62
                  Gapop 10.0 , Gapext 0.5

Searched:         88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:        88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Published Applications AA New:*
              1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
              2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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              6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
              7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
              8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Query Match | Query Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 44 | 100.0 | 336 | 6 | US-10-821-234-957 | Sequence 957, App |
| 2 | 37 | 84.1 | 282 | 6 | US-10-467-657-6252 | Sequence 6252, Ap |
| 3 | 32 | 72.7 | 528 | 6 | US-10-878-556A-77 | Sequence 77, Appl |
| 4 | 31 | 70.5 | 529 | 6 | US-10-821-234-1168 | Sequence 1168, Ap |
| 5 | 30 | 68.2 | 313 | 7 | US-11-156-084-272 | Sequence 272, App |
| 6 | 30 | 68.2 | 325 | 6 | US-10-793-626-698 | Sequence 698, App |
| 7 | 30 | 68.2 | 325 | 6 | US-10-793-626-1330 | Sequence 1330, Ap |
| 8 | 30 | 68.2 | 961 | 7 | US-11-113-424-35 | Sequence 35, Appl |
| 9 | 30 | 68.2 | 1053 | 7 | US-11-052-554A-151 | Sequence 151, App |
| 10 | 29 | 65.9 | 149 | 6 | US-10-793-626-1890 | Sequence 1890, Ap |
| 11 | 29 | 65.9 | 294 | 7 | US-11-156-084-283 | Sequence 283, App |
| 12 | 29 | 65.9 | 296 | 7 | US-11-156-084-248 | Sequence 248, App |
| 13 | 29 | 65.9 | 296 | 7 | US-11-156-084-285 | Sequence 285, App |
| 14 | 29 | 65.9 | 297 | 7 | US-11-156-084-262 | Sequence 262, App |
| 15 | 29 | 65.9 | 1008 | 7 | US-11-055-822-312 | Sequence 312, App |
| 16 | 29 | 65.9 | 1152 | 7 | US-11-055-822-308 | Sequence 308, App |
| 17 | 29 | 65.9 | 1992 | 7 | US-11-013-759-3 | Sequence 3, Appli |
| 18 | 29 | 65.9 | 1992 | 7 | US-11-013-759-13 | Sequence 13, Appl |
| 19 | 29 | 65.9 | 2047 | 7 | US-11-013-759-4 | Sequence 4, Appli |
| 20 | 29 | 65.9 | 2047 | 7 | US-11-013-759-7 | Sequence 7, Appli |
| 21 | 29 | 65.9 | 3716 | 7 | US-11-052-554A-141 | Sequence 141, App |
| 22 | 28 | 63.6 | 143 | 6 | US-10-467-657-8684 | Sequence 8684, Ap |
| 23 | 28 | 63.6 | 207 | 6 | US-10-878-556A-93 | Sequence 93, Appl |
| 24 | 28 | 63.6 | 294 | 7 | US-11-156-084-188 | Sequence 188, App |
| 25 | 28 | 63.6 | 309 | 7 | US-11-156-084-306 | Sequence 306, App |
| 26 | 28 | 63.6 | 344 | 6 | US-10-467-657-4862 | Sequence 4862, Ap |
| 27 | 28 | 63.6 | 534 | 6 | US-11-000-530B-2 | Sequence 2, Appli |
| 28 | 28 | 63.6 | 548 | 6 | US-10-493-909-77 | Sequence 77, Appl |
| 29 | 28 | 63.6 | 588 | 7 | US-11-000-530B-4 | Sequence 4, Appli |
| 30 | 28 | 63.6 | 591 | 7 | US-11-082-389-386 | Sequence 386, APP |
| 31 | 28 | 63.6 | 700 | 6 | US-10-467-657-1746 | Sequence 1746, Ap |
| 32 | 28 | 63.6 | 870 | 7 | US-11-082-389-384 | Sequence 384, App |
| 33 | 28 | 63.6 | 967 | 6 | US-10-995-561-979 | Sequence 979, App |
| 34 | 28 | 63.6 | 967 | 6 | US-10-995-561-980 | Sequence 980, App |
| 35 | 28 | 63.6 | 967 | 7 | US-11-169-041-191 | Sequence 191, App |
| 36 | 28 | 63.6 | 999 | 6 | US-10-821-234-1251 | Sequence 1251, Ap |
| 37 | 28 | 63.6 | 1461 | 7 | US-11-183-136-28 | Sequence 28, Appl |
| 38 | 28 | 63.6 | 1493 | 7 | US-11-183-136-26 | Sequence 26, Appl |
| 39 | 27 | 61.4 | 30 | 6 | US-11-041-893-187 | Sequence 187, App |
| 40 | 27 | 61.4 | 137 | 6 | US-10-793-626-1470 | Sequence 1470, Ap |
| 41 | 27 | 61.4 | 291 | 7 | US-11-156-084-357 | Sequence 357, App |
| 42 | 27 | 61.4 | 304 | 6 | US-10-793-626-1472 | Sequence 1472, Ap |
| 43 | 27 | 61.4 | 305 | 7 | US-11-156-084-215 | Sequence 215, App |
| 44 | 27 | 61.4 | 305 | 7 | US-11-156-084-216 | Sequence 216, App |
| 45 | 27 | 61.4 | 305 | 7 | US-11-156-084-255 | Sequence 255, App |

ALIGNMENTS

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RESULT 1
US-10-821-234-957
; Sequence 957, Application US/10821234
; Publication No. US2005025511A1
; GENERAL INFORMATION:
;  APPLICANT: Labat, Ivan
;  APPLICANT: Stache-Crain, Birgit
;  APPLICANT: Andarmani, Susan
;  APPLICANT: Tang, Y. Tom
;  TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;  FILE REFERENCE: 821A
;  CURRENT APPLICATION NUMBER: US/10/821,234
;  CURRENT FILING DATE: 2004-04-07
;  PRIOR APPLICATION NUMBER: US 60/462,047
;  PRIOR FILING DATE: 2003-04-07
;  NUMBER OF SEQ ID NOS: 1704
;  SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 957
;  LENGTH: 336
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-821-234-957

Query Match         100.0%;  Score 44;  DB 6;  Length 336;
Best Local Similarity   100.0%;  Pred. No. 0.041;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 KLDVGNAEV 9
            |||||||||
Db      257 KLDVGNAEV 265

RESULT 2
US-10-467-657-6252
; Sequence 6252, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
;  APPLICANT: CHIRON SpA
;  APPLICANT: FONTANA Maria Rita
;  APPLICANT: PIZZA Mariagrazia
;  APPLICANT: MASIGNANI Vega
;  APPLICANT: MONACI Elisabetta
;  TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/467,657
;  CURRENT FILING DATE: 2003-08-11
;  PRIOR APPLICATION NUMBER: GB-0103424.8
;  PRIOR FILING DATE: 2001-02-12
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;  NUMBER OF SEQ ID NOS: 9218
;  SOFTWARE: SeqWin99, version 1.04
;  SEQ ID NO 6252
;  LENGTH: 282
;  TYPE: PRT
;  ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6252

Query Match             84.1%;  Score 37;  DB 6;  Length 282;
Best Local Similarity   66.7%;  Pred. No. 1;
Matches    6;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 KLDVGNAEV 9
            :||:|||:|
Db      110 RLDIGNADV 118

RESULT 3
US-10-878-556A-77
;  Sequence 77, Application US10878556A
;  Publication No. US2005026399A1
;  GENERAL INFORMATION:
;  APPLICANT: Hoffmann La-Roche Inc.
;  TITLE OF INVENTION: HCV regulated protein expression
;  FILE REFERENCE: 21762
;  CURRENT APPLICATION NUMBER: US/10/878,556A
;  CURRENT FILING DATE:  2004-06-28
;  NUMBER OF SEQ ID NOS: 199
;  SOFTWARE: PatentIn version 3.1
;  SEQ ID NO 77
;  LENGTH: 528
;  TYPE: PRT
;  ORGANISM: Homo sapiens
;  PUBLICATION INFORMATION:
;  DATABASE ACCESSION NUMBER: sw_hum/syy_human
;  DATABASE ENTRY DATE: 1996-10-01
US-10-878-556A-77

Query Match             72.7%;  Score 32;  DB 6;  Length 528;
Best Local Similarity   75.0%;  Pred. No. 24;
Matches    6;  Conservative   1;  Mismatches   1;  Indels   1;  Gaps   0;

Qy        1 KLDVGNAE 8
            :||||:||
Db      391 KIDVGEAE 398

RESULT 4
US-10-821-234-1168
;  Sequence 1168, Application US10821234
;  Publication No. US2005025114A1
;  GENERAL INFORMATION:
;  APPLICANT: Labat, Ivan
;  APPLICANT: Stache-Crain, Birgit
;  APPLICANT: Andarmani, Susan
;  APPLICANT: Tang, Y. Tom
;  TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;  FILE REFERENCE: 821A
;  CURRENT APPLICATION NUMBER: US/10/821,234
;  CURRENT FILING DATE:  2004-04-07
;  PRIOR APPLICATION NUMBER: US 60/462,047
;  PRIOR FILING DATE: 2003-04-07
;  NUMBER OF SEQ ID NOS: 1704
;  SOFTWARE: pt_SEQ_genes Version 1.0
;  SEQ ID NO 1168
;  LENGTH: 529
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-821-234-1168

Query Match             70.5%;  Score 31;  DB 6;  Length 529;
Best Local Similarity  100.0%;  Pred. No. 40;
Matches    6;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;
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Qy        1 KLDVGN 6
            ||||||
Db      259 KLDVGN 264

RESULT 5
US-11-156-084-272
;  Sequence 272, Application US/11156084
;  Publication No. US2006010515A1
;  GENERAL INFORMATION:
;  APPLICANT: Monsanto Technology LLC
;  TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
;  TITLE OF INVENTION:  agronomically interesting phenotypes
;  FILE REFERENCE: (38-21)
;  CURRENT APPLICATION NUMBER: US/11/156,084
;  CURRENT FILING DATE:  2005-06-17
;  NUMBER OF SEQ ID NOS: 364
;  SOFTWARE: PatentIn version 3.2
;  SEQ ID NO 272
;  LENGTH: 313
;  TYPE: PRT
;  ORGANISM: Desulfitobacterium hafniense
US-11-156-084-272

Query Match             68.2%;  Score 30;  DB 7;  Length 313;
Best Local Similarity   62.5%;  Pred. No. 36;
Matches    5;  Conservative   3;  Mismatches   3;  Indels   0;  Gaps   0;

Qy        1 KLDVGNAE 8
            |||:|:|:
Db       41 KLDIGSAK 48

RESULT 6
US-10-793-626-698
;  Sequence 698, Application US/10793626
;  Publication No. US2005025478A1
;  GENERAL INFORMATION:
;  APPLICANT: KIMMERLY, WILLIAM JOHN
;  TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
;  FILE REFERENCE: PU3480US
;  CURRENT APPLICATION NUMBER: US/10/793,626
;  CURRENT FILING DATE:  2004-03-04
;  PRIOR APPLICATION NUMBER: 60/164,258
;  PRIOR FILING DATE: 1999-11-09
;  NUMBER OF SEQ ID NOS: 4472
;  SOFTWARE: PatentIn Ver. 2.1
;  SEQ ID NO 698
;  LENGTH: 325
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Description of Artificial Sequence: synthetic
;  OTHER INFORMATION: amino acid sequence
US-10-793-626-698

Query Match             68.2%;  Score 30;  DB 6;  Length 325;
Best Local Similarity   55.6%;  Pred. No. 37;
Matches    5;  Conservative   2;  Mismatches   2;  Indels   2;  Gaps   0;

Qy        1 KLDVGNAEV 9
            |:||:|:|
Db      190 KIDIGKANV 198

RESULT 7
US-10-793-626-1330
;  Sequence 1330, Application US/10793626
;  Publication No. US2005025478A1
;  GENERAL INFORMATION:
;  APPLICANT: KIMMERLY, WILLIAM JOHN
;  TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
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;   FILE REFERENCE: PU3480US
;   CURRENT APPLICATION NUMBER: US/10/793,626
;   CURRENT FILING DATE: 2004-03-04
;   PRIOR APPLICATION NUMBER: 60/164,258
;   PRIOR FILING DATE: 1999-11-09
;   NUMBER OF SEQ ID NOS: 4472
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 1330
;   LENGTH: 325
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: amino acid sequence
US-10-793-626-1330

Query Match      68.2%;  Score 30;  DB 6;  Length 325;
Best Local Similarity 55.6%;  Pred. No. 37;
Matches   5;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy    1 KLDVGNAEV 9
         |:|:| |:|
Db  190 KIDIGKANV 198

RESULT 8
US-11-113-424-35
;   Sequence 35, Application US/11113424
;   Publication No. US20050260713A1
;   GENERAL INFORMATION:
;   APPLICANT: Gangolli et al.
;   TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
;   FILE REFERENCE: 21402-225
;   CURRENT APPLICATION NUMBER: US/11/113,424
;   CURRENT FILING DATE: 2005-04-21
;   PRIOR APPLICATION NUMBER: 60/256,704
;   PRIOR FILING DATE: 2000-12-19
;   PRIOR APPLICATION NUMBER: 60/311,590
;   PRIOR FILING DATE: 2001-08-10
;   PRIOR APPLICATION NUMBER: 60/257,314
;   PRIOR FILING DATE: 2000-12-20
;   PRIOR APPLICATION NUMBER: 60/311,613
;   PRIOR FILING DATE: 2001-08-10
;   PRIOR APPLICATION NUMBER: 60/315,617
;   PRIOR FILING DATE: 2001-08-29
;   PRIOR APPLICATION NUMBER: 60/307,506
;   PRIOR FILING DATE: 2001-07-24
;   PRIOR APPLICATION NUMBER: 60/322,358
;   PRIOR FILING DATE: 2001-09-14
;   PRIOR APPLICATION NUMBER: 60/294,075
;   PRIOR FILING DATE: 2001-05-29
;   PRIOR APPLICATION NUMBER: 60/288,153
;   PRIOR FILING DATE: 2001-05-02
;   NUMBER OF SEQ ID NOS: 190
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 35
;   LENGTH: 961
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-11-113-424-35

Query Match      68.2%;  Score 30;  DB 7;  Length 961;
Best Local Similarity 75.0%;  Pred. No. 1.3e+02;
Matches   6;  Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy    1 KLDVGNAE 8
         || :||||
Db  950 KLGhGNAE 957

RESULT 9
US-11-052-554A-151
;   Sequence 151, Application US/11052554A
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;   Publication No. US20050288866A1
;   GENERAL INFORMATION:
;   APPLICANT: Sachdeva, et al.
;   TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
;   TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
;   FILE REFERENCE: 30853/40359A
;   CURRENT APPLICATION NUMBER: US/11/052,554A
;   CURRENT FILING DATE: 2005-02-07
;   PRIOR APPLICATION NUMBER: US 60/589,227
;   PRIOR FILING DATE: 2004-07-20
;   PRIOR APPLICATION NUMBER: IN 173/DEL/2004
;   PRIOR FILING DATE: 2004-02-06
;   NUMBER OF SEQ ID NOS: 763
;   SOFTWARE: PatentIn version 3.3
;   SEQ ID NO 151
;   LENGTH: 1053
;   TYPE: PRT
;   ORGANISM: Mycobacterium tuberculosis H37Rv
US-11-052-554A-151

Query Match      68.2%;  Score 30;  DB 7;  Length 1053;
Best Local Similarity 100.0%;  Pred. No. 1.4e+02;
Matches   6;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy    2 LDVGNA 7
         ||||||
Db  374 LDVGNA 379

RESULT 10
US-10-793-626-1890
;   Sequence 1890, Application US/10793626
;   Publication No. US20050255478A1
;   GENERAL INFORMATION:
;   APPLICANT: KIMMERLY, WILLIAM JOHN
;   TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
;   FILE REFERENCE: PU3480US
;   CURRENT APPLICATION NUMBER: US/10/793,626
;   CURRENT FILING DATE: 2004-03-04
;   PRIOR APPLICATION NUMBER: 60/164,258
;   PRIOR FILING DATE: 1999-11-09
;   NUMBER OF SEQ ID NOS: 4472
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 1890
;   LENGTH: 149
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: amino acid sequence
US-10-793-626-1890

Query Match      65.9%;  Score 29;  DB 6;  Length 149;
Best Local Similarity 83.3%;  Pred. No. 25;
Matches   5;  Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy    1 KLDVGN 6
         |:|||
Db   29 KMDVGN 34

RESULT 11
US-11-156-084-283
;   Sequence 283, Application US/11156084
;   Publication No. US20060010515A1
;   GENERAL INFORMATION:
;   APPLICANT: Monsanto Technology LLC
;   TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
;   TITLE OF INVENTION: agronomically interesting phenotypes
;   FILE REFERENCE: (38-21)
;   CURRENT APPLICATION NUMBER: US/11/156,084
;   CURRENT FILING DATE: 2005-06-17
;   NUMBER OF SEQ ID NOS: 364
```

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;  SOFTWARE: PatentIn version 3.2
;  SEQ ID NO 283
;  LENGTH: 294
;  TYPE: PRT
;  ORGANISM: Streptococcus mutans
US-11-156-084-283

Query Match             65.9%;  Score 29;  DB 7;  Length 294;
Best Local Similarity   62.5%;  Pred. No. 54;
Matches    5;  Conservative   2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1  KLDVGNAE  8
               |||:|:|:
Db         42  KLDIGTAK  49


RESULT 12
US-11-156-084-248
;  Sequence 248, Application US/11156084
;  Publication No. US20060010515A1
;  GENERAL INFORMATION:
;    APPLICANT: Monsanto Technology LLC
;    TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
;    TITLE OF INVENTION: agronomically interesting phenotypes
;    FILE REFERENCE: (38-21)
;    CURRENT APPLICATION NUMBER: US/11/156,084
;    CURRENT FILING DATE: 2005-06-17
;    NUMBER OF SEQ ID NOS: 364
;    SOFTWARE: PatentIn version 3.2
;  SEQ ID NO 248
;  LENGTH: 296
;  TYPE: PRT
;  ORGANISM: Streptococcus agalactiae
US-11-156-084-248

Query Match             65.9%;  Score 29;  DB 7;  Length 296;
Best Local Similarity   62.5%;  Pred. No. 55;
Matches    5;  Conservative   2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1  KLDVGNAE  8
               |||:|:|:
Db         43  KLDIGTAK  50


RESULT 13
US-11-156-084-285
;  Sequence 285, Application US/11156084
;  Publication No. US20060010515A1
;  GENERAL INFORMATION:
;    APPLICANT: Monsanto Technology LLC
;    TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
;    TITLE OF INVENTION: agronomically interesting phenotypes
;    FILE REFERENCE: (38-21)
;    CURRENT APPLICATION NUMBER: US/11/156,084
;    CURRENT FILING DATE: 2005-06-17
;    NUMBER OF SEQ ID NOS: 364
;    SOFTWARE: PatentIn version 3.2
;  SEQ ID NO 285
;  LENGTH: 296
;  TYPE: PRT
;  ORGANISM: Streptococcus agalactiae
US-11-156-084-285

Query Match             65.9%;  Score 29;  DB 7;  Length 296;
Best Local Similarity   62.5%;  Pred. No. 55;
Matches    5;  Conservative   2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1  KLDVGNAE  8
               |||:|:|:
Db         43  KLDIGTAK  50


RESULT 14
US-11-156-084-262
;  Sequence 262, Application US/11156084
;  Publication No. US20060010515A1
;  GENERAL INFORMATION:
;    APPLICANT: Monsanto Technology LLC
;    TITLE OF INVENTION: Controlled expression of cytokinin biosynthetic genes leads to
;    TITLE OF INVENTION: agronomically interesting phenotypes
;    FILE REFERENCE: (38-21)
;    CURRENT APPLICATION NUMBER: US/11/156,084
;    CURRENT FILING DATE: 2005-06-17
;    NUMBER OF SEQ ID NOS: 364
;    SOFTWARE: PatentIn version 3.2
;  SEQ ID NO 262
;  LENGTH: 297
;  TYPE: PRT
;  ORGANISM: Leuconostoc mesenteroides
US-11-156-084-262

Query Match             65.9%;  Score 29;  DB 7;  Length 297;
Best Local Similarity   75.0%;  Pred. No. 55;
Matches    6;  Conservative   1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          2  LDVGNAEV  9
               |||| |:|
Db         42  LDVGTAKV  49


RESULT 15
US-11-055-822-312
;  Sequence 312, Application US/11055822
;  Publication No. US20050260707A1
;  GENERAL INFORMATION:
;    APPLICANT: Pompejus, Markus
;    APPLICANT: Kroger, Burkhard
;    APPLICANT: Schroder, Hartwig
;    APPLICANT: Zelder, Oskar
;    APPLICANT: Haberhauer, Gregor
;    TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
;    TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
;    FILE REFERENCE: BGI-121CPCN
;    CURRENT APPLICATION NUMBER: US/11/055,822
;    CURRENT FILING DATE: 2005-02-11
;    PRIOR APPLICATION NUMBER: 09/606,740
;    PRIOR FILING DATE: 2000-06-23
;    PRIOR APPLICATION NUMBER: 60/141,031
;    PRIOR FILING DATE: 1999-06-25
;    PRIOR APPLICATION NUMBER: 60/142,101
;    PRIOR FILING DATE: 1999-07-02
;    PRIOR APPLICATION NUMBER: 60/148,613
;    PRIOR FILING DATE: 1999-08-12
;    PRIOR APPLICATION NUMBER: 60/187,970
;    PRIOR FILING DATE: 2000-03-09
;    PRIOR APPLICATION NUMBER: DE 19930476.9
;    PRIOR FILING DATE: 1999-07-01
;    PRIOR APPLICATION NUMBER: DE 19931415.2
;    PRIOR FILING DATE: 1999-07-08
;    PRIOR APPLICATION NUMBER: DE 19931418.7
;    PRIOR FILING DATE: 1999-07-08
;    PRIOR APPLICATION NUMBER: DE 19931419.5
;    PRIOR FILING DATE: 1999-07-08
;    PRIOR APPLICATION NUMBER: DE 19931420.9
;    PRIOR FILING DATE: 1999-07-08
;    Remaining Prior Application data removed - See File Wrapper or PALM.
;    NUMBER OF SEQ ID NOS: 1158
;  SEQ ID NO 312
;  LENGTH: 1008
;  TYPE: PRT
;  ORGANISM: Corynebacterium glutamicum
;  FEATURE:
;    NAME/KEY: VARIANT
;    LOCATION: (181)..(182)
;    OTHER INFORMATION: Xaa = any amino acid
;  FEATURE:
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;  NAME/KEY: VARIANT
;  LOCATION: 183
;  OTHER INFORMATION: Xaa = Phe, Leu, Ile, or Val
US-11-055-822-312

Query Match          65.9%;   Score 29;  DB 7;  Length 1008;
Best Local Similarity 75.0%;   Pred. No. 2.2e+02;
Matches       6;  Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy     2 LDVGNAEV 9
         :||||||
Db   896 VDVGNAYV 903

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Job time : 4.40851 secs
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          Copyright   GenCore version 5.1.7
                      (c) 1993 - 2006  Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:     February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
                                        (without alignments)
                                        36.315 Million cell updates/sec

Title:          US-10-006-177A-4
Perfect score:  49
Sequence:       1 FLYDDNQRV 9

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:        572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued Patents AA:*
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         2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
         3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
         4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
         5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
         6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

         Pred. No. is the number of results predicted by chance to have a
         score greater than or equal to the score of the result being printed,
         and is derived by analysis of the total score distribution.

                                 SUMMARIES

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Result      Query
No.  Score  Match  Length  DB  ID                       Description
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 1    49    100.0   1531   2   US-09-976-594-203        Sequence 203, App
 2    43     87.8    142   2   US-08-470-179-30         Sequence 30, Appl
 3    37     75.5    324   2   US-09-270-767-43224      Sequence 43224, A
 4    36     73.5    189   2   US-09-328-352-6722       Sequence 6722, Ap
 5    36     73.5   1665   2   US-09-543-681A-4476      Sequence 4476, Ap
 6    35     71.4    233   2   US-09-543-681A-4354      Sequence 4354, Ap
 7    35     71.4    855   2   US-09-543-681A-7287      Sequence 7287, Ap
 8    34     69.4    235   1   US-08-580-545B-10        Sequence 10, Appl
 9    34     69.4    235   2   US-09-262-653A-10        Sequence 10, Appl
10    34     69.4    457   2   US-09-248-796A-23295     Sequence 23295, A
11    34     69.4    466   2   US-09-605-703B-2816      Sequence 2816, Ap
12    34     69.4    737   2   US-09-902-540-16346      Sequence 16346, A
13    33     67.3     64   1   US-08-765-179B-19        Sequence 19, Appl
14    33     67.3    108   1   US-08-259-372A-10        Sequence 10, Appl
15    33     67.3    108   1   US-08-468-671-10         Sequence 10, Appl
16    33     67.3    108   2   US-09-025-769B-20        Sequence 20, Appl
17    33     67.3    108   2   US-09-490-070A-20        Sequence 20, Appl
18    33     67.3    108   2   US-09-490-153-20         Sequence 20, Appl
19    33     67.3    108   2   US-09-490-324-20         Sequence 20, Appli
20    33     67.3    109   2   US-09-157-370-5          Sequence 5, Appli
21    33     67.3    113   2   US-09-377-285B-65        Sequence 65, Appli
22    33     67.3    113   2   US-10-192-381-65         Sequence 65, Appli
23    33     67.3    130   2   US-09-270-767-61055      Sequence 61055, A
24    33     67.3    261   2   US-09-902-540-16311      Sequence 16311, A
25    33     67.3    522   2   US-08-894-818B-3         Sequence 3, Appli
26    33     67.3    522   2   US-09-445-472-4          Sequence 4, Appli
27    33     67.3    522   2   US-10-090-624-4          Sequence 4, Appli
28    33     67.3    522   2   US-09-841-553-3          Sequence 3, Appli
29    33     67.3    654   2   US-08-894-818B-35        Sequence 35, Appl
30    33     67.3    654   2   US-09-445-472-16         Sequence 16, Appl
31    33     67.3    654   2   US-10-090-624-16         Sequence 16, Appl
32    33     67.3    654   2   US-09-841-553-35         Sequence 35, Appl
33    33     67.3    684   2   US-09-823-240A-9         Sequence 9, Appli
34    33     67.3    715   2   US-09-252-991A-27965     Sequence 27965, A
35    32     65.3    902   1   US-08-701-846-2          Sequence 2, Appli
36    32     65.3    109   2   US-09-025-769B-32        Sequence 32, Appli
37    32     65.3    109   2   US-09-025-769B-51        Sequence 51, Appli
38    32     65.3    109   2   US-09-490-070A-32        Sequence 32, Appl
39    32     65.3    109   2   US-09-490-070A-51        Sequence 51, Appl
40    32     65.3    109   2   US-09-490-153-32         Sequence 32, Appl
41    32     65.3    109   2   US-09-490-153-51         Sequence 51, Appl
42    32     65.3    109   2   US-09-490-324-32         Sequence 32, Appl
43    32     65.3    109   2   US-09-490-324-51         Sequence 51, Appl
44    32     65.3    234   2   US-09-372-425A-4         Sequence 4, Appli
45    32     65.3    242   2   US-08-884-569A-5         Sequence 5, Appli

                              ALIGNMENTS

RESULT 1
US-09-976-594-203
; Sequence 203, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE:  2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 203
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID ID. No. 6673549 1867417CD1
US-09-976-594-203

Query Match        100.0%;  Score 49;  DB 2;  Length 1531;
Best Local Similarity   100.0%;  Pred. No. 1.2;
Matches        9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1  FLYDDNQRV 9
             |||||||||
Db      828  FLYDDNQRV 836

RESULT 2
US-08-470-179-30
; Sequence 30, Application US/08470179
; Patent No. 5645994
; GENERAL INFORMATION:
; APPLICANT: Huang Ph.D, Wai Mun
; TITLE OF INVENTION: Method and Compositions for
; TITLE OF INVENTION:  Identification of Species in a Sample
; NUMBER OF SEQUENCES:  207
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Trask, Britt and Rossa
; STREET: P.O. Box 2550
; CITY: Salt Lake City
; STATE: Utah
; COUNTRY: USA
; ZIP: 84110
; COMPUTER READABLE FORM:
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       MEDIUM TYPE: Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;  CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/470,179
;      FILING DATE:
;      CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;      NAME: Sweigert Ph.D, Susan E.
;      REGISTRATION NUMBER: 36,289
;      REFERENCE/DOCKET NUMBER: 2601
;  TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 801-532-1922
;      TELEFAX: 801-531-9168
;  INFORMATION FOR SEQ ID NO:  30:
;  SEQUENCE CHARACTERISTICS:
;      LENGTH: 142 amino acids
;      TYPE: amino acid
;      STRANDEDNESS:
;      TOPOLOGY: not relevant
;      MOLECULE TYPE: protein
;      HYPOTHETICAL: NO
;      ANTI-SENSE: NO
;      FRAGMENT TYPE: internal
;      ORIGINAL SOURCE:
;      ORGANISM: Homo sapiens sapiens
US-08-470-179-30

Query Match          87.8%;  Score 43;  DB 1;  Length 142;
Best Local Similarity  100.0%;  Pred. No. 1.3;
Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2 LYDDNQRV 9
           ||||||||
Db     110 LYDDNQRV 117


RESULT 3
US-09-270-767-43224
; Sequence 43224, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
;      APPLICANT: Homburger et al.
;      TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
;      FILE REFERENCE: File Reference: 7326-094
;      CURRENT APPLICATION NUMBER: US/09/270,767
;      CURRENT FILING DATE: 1999-03-17
;      NUMBER OF SEQ ID NOS: 62517
;      SOFTWARE: PatentIn Ver. 2.0
;      SEQ ID NO 43224
;      LENGTH: 324
;      TYPE: PRT
;      ORGANISM: Drosophila melanogaster
US-09-270-767-43224

Query Match          75.5%;  Score 37;  DB 2;  Length 324;
Best Local Similarity  77.8%;  Pred. No. 39;
Matches    7;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 FLYDDNQRV 9
           :|||||||
Db      59 YLTDDNQRV 67


RESULT 4
US-09-328-352-6722
; Sequence 6722, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
;      APPLICANT: Gary L. Breton et al.
;      TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;      TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
```

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;      FILE REFERENCE: GTC99-03PA
;      CURRENT APPLICATION NUMBER: US/09/328,352
;      CURRENT FILING DATE: 1999-06-04
;      NUMBER OF SEQ ID NOS: 8252
;  SEQ ID NO 6722
;      LENGTH: 189
;      TYPE: PRT
;      ORGANISM: Acinetobacter baumannii
US-09-328-352-6722

Query Match          73.5%;  Score 36;  DB 2;  Length 189;
Best Local Similarity  85.7%;  Pred. No. 34;
Matches    6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3 YDDNQRV 9
           |||||:|
Db     108 YDDNQKV 114


RESULT 5
US-09-543-681A-4476
; Sequence 4476, Application US/0954368IA
; Patent No. 6605709
; GENERAL INFORMATION:
;      APPLICANT: GARY BRETON
;      TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
;      TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;      FILE REFERENCE: 2709.1002-001
;      CURRENT APPLICATION NUMBER: US/09/543,681A
;      CURRENT FILING DATE: 2000-04-05
;      PRIOR APPLICATION NUMBER: US 60/128,706
;      PRIOR FILING DATE: 1999-04-09
;      NUMBER OF SEQ ID NOS: 8344
;  SEQ ID NO 4476
;      LENGTH: 1665
;      TYPE: PRT
;      ORGANISM: Proteus mirabilis
US-09-543-681A-4476

Query Match          73.5%;  Score 36;  DB 2;  Length 1665;
Best Local Similarity  66.7%;  Pred. No. 3.2e+02;
Matches    6;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 FLYDDNQRV 9
           |:||| ||:
Db     723 FIYDDYQRM 731


RESULT 6
US-09-543-681A-4354
; Sequence 4354, Application US/0954368IA
; Patent No. 6605709
; GENERAL INFORMATION:
;      APPLICANT: GARY BRETON
;      TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIT
;      TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;      FILE REFERENCE: 2709.1002-001
;      CURRENT APPLICATION NUMBER: US/09/543,681A
;      CURRENT FILING DATE: 2000-04-05
;      PRIOR APPLICATION NUMBER: US 60/128,706
;      PRIOR FILING DATE: 1999-04-09
;      NUMBER OF SEQ ID NOS: 8344
;  SEQ ID NO 4354
;      LENGTH: 233
;      TYPE: PRT
;      ORGANISM: Proteus mirabilis
US-09-543-681A-4354

Query Match          71.4%;  Score 35;  DB 2;  Length 233;
Best Local Similarity  75.0%;  Pred. No. 65;
Matches    6;  Conservative    1;  Mismatches    1;  Indels    1;  Gaps    0;

Qy       1 FLYDDNQR 8
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Db     45 FVYDDNLR 52
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RESULT 7
US-09-543-681A-7287
; Sequence 7287, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
;   APPLICANT: GARY BRETON
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABII
;   TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE: 2709.1002-001
;   CURRENT APPLICATION NUMBER: US/09/543,681A
;   CURRENT FILING DATE: 2000-04-05
;   PRIOR APPLICATION NUMBER: US 60/128,706
;   PRIOR FILING DATE: 1999-04-09
;   NUMBER OF SEQ ID NOS: 8344
;   SEQ ID NO 7287
;     LENGTH: 855
;     TYPE: PRT
;     ORGANISM: Proteus mirabilis
US-09-543-681A-7287

Query Match          71.4%;  Score 35;  DB 2;  Length 855;
Best Local Similarity  62.5%;  Pred. No. 2.5e+02;
Matches    5; Conservative   3; Mismatches   3; Indels   0; Gaps   0;

Qy      1 FLYDDNQR 8
          :|:|||:
Db    487 YLYEDNQK 494

RESULT 8
US-08-580-545B-10
; Sequence 10, Application US/08580545B
; Patent No. 5932713
; GENERAL INFORMATION:
;   APPLICANT: Yoshihisa, Kasukabe
;   APPLICANT: Koichi, Fujisawa
;   APPLICANT: Susumu, Nishiguchi
;   APPLICANT: Yoshihiko, Maekawa
;   APPLICANT: Randy, Allen
;   TITLE OF INVENTION: COTTON FIBER TISSUE-SPECIFIC GENES
;   NUMBER OF SEQUENCES: 10
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Fish & Richardson P.C.
;     STREET: 601 Thirteenth Street, NW
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/580,545B
;     FILING DATE:
;     CLASSIFICATION: 800
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Bretschneider, Barry E.
;     REGISTRATION NUMBER: 28,055
;     REFERENCE/DOCKET NUMBER: 04473/068001
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 202/783-5070
;     TELEFAX: 202/783-2331
;   INFORMATION FOR SEQ ID NO: 10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 235 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;       MOLECULE TYPE: protein
US-08-580-545B-10

Query Match          69.4%;  Score 34;  DB 1;  Length 235;
Best Local Similarity  62.5%;  Pred. No. 99;
Matches    5; Conservative   3; Mismatches   3; Indels   0; Gaps   0;

Qy      1 FLYDDNQR 8
          |:|:::|||
Db    121 FVYEENQR 128

RESULT 9
US-09-262-653A-10
; Sequence 10, Application US/09262653A
; Patent No. 6166294
; GENERAL INFORMATION:
;   APPLICANT: Yoshihisa, Kasukabe
;   APPLICANT: Koichi, Fujisawa
;   APPLICANT: Susumu, Nishiguchi
;   APPLICANT: Yoshihiko, Maekawa
;   APPLICANT: Randy, Allen
;   TITLE OF INVENTION: COTTON FIBER TISSUE-SPECIFIC GENES
;   NUMBER OF SEQUENCES: 10
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Fish & Richardson P.C.
;     STREET: 601 Thirteenth Street, NW
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/262,653A
;     FILING DATE:
;     CLASSIFICATION: 800
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Bretschneider, Barry E.
;     REGISTRATION NUMBER: 28,055
;     REFERENCE/DOCKET NUMBER: 04473/068001
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 202/783-5070
;     TELEFAX: 202/783-2331
;   INFORMATION FOR SEQ ID NO: 10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 235 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;       MOLECULE TYPE: protein
US-09-262-653A-10

Query Match          69.4%;  Score 34;  DB 2;  Length 235;
Best Local Similarity  62.5%;  Pred. No. 99;
Matches    5; Conservative   3; Mismatches   3; Indels   0; Gaps   0;

Qy      1 FLYDDNQR 8
          |:|:::|||
Db    121 FVYEENQR 128

RESULT 10
US-09-248-796A-23295
; Sequence 23295, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
;   APPLICANT: Keith Weinstock et al
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
;   TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE:107196.132
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; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
  SEQ ID NO 23295
; LENGTH: 457
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-23295

Query Match             69.4%;  Score 34;  DB 2;  Length 457;
Best Local Similarity  100.0%;  Pred. No. 2e+02;
Matches    6;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       2  LYDDNQ  7
            ||||||
Db     162  LYDDNQ  167


RESULT 11
US-09-605-703B-2816
; Sequence 2816, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: BGI-129CP
; CURRENT APPLICATION NUMBER: US/09/605,703B
; CURRENT FILING DATE: 2000-06-27
; PRIOR APPLICATION NUMBER: 60/142,764
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 60/152,318
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 2934
  SEQ ID NO 2816
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-605-703B-2816

Query Match            69.4%;  Score 34;  DB 2;  Length 466;
Best Local Similarity  75.0%;  Pred. No. 2e+02;
Matches    6;  Conservative   0;  Mismatches   1;  Indels   1;  Gaps   0;

Qy       2  LYDDNQRV  9
            ||||| ||
Db     410  LYDDNWRV  417


RESULT 12
US-09-902-540-16346
; Sequence 16346, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825


; SEQ ID NO 16346
; LENGTH: 737
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16346

Query Match            69.4%;  Score 34;  DB 2;  Length 737;
Best Local Similarity  55.6%;  Pred. No. 3.2e+02;
Matches    5;  Conservative   4;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       1  FLYDDNQRV  9
            :::||:||:||
Db     394  YIWDDSQRV  402


RESULT 13
US-08-765-179B-19
; Sequence 19, Application US/08765179B
; Patent No. 5854027
; GENERAL INFORMATION:
; APPLICANT: STEIPE, Boris
; APPLICANT: STEINBACHER, Stefan
; TITLE OF INVENTION: PROCESS FOR MODIFYING THE STABILITY
; TITLE OF INVENTION: OF ANTIBODIES
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
; STREET: 655 Fifteenth Street N.W. Suite 330
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-5701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/765,179B
; FILING DATE: 14-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP95/02626
; FILING DATE: 06-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE P 44 25 115.7
; FILING DATE: 15-JUL-1994
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-765-179B-19

Query Match            67.3%;  Score 33;  DB 1;  Length 64;
Best Local Similarity  71.4%;  Pred. No. 40;
Matches    5;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       2  LYDDNQR  8
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Db      17  IYDDNKR  23


RESULT 14
US-08-259-372A-10
; Sequence 10, Application US/08259372A
; Patent No. 5565354
; GENERAL INFORMATION:
; APPLICANT: Oatberg, Lars G.
; TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
```

NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
Us-08-259-372A-10

Query Match    67.3%;  Score 33;  DB 1;  Length 108;
Best Local Similarity   71.4%;  Pred. No. 68;
Matches    5;  Conservative  2;  Mismatches  2;  Indels  0;  Gaps  0;

Qy   2 LYDDNQR 8
       :||||:|
Db  47 VYDDNER 53

RESULT 15
US-08-468-671-10
; Sequence 10, Application US/08468671
; Patent No. 5648077
; GENERAL INFORMATION:
; APPLICANT: Ostberg, Lars G.
; TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,671
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/259,372
; FILING DATE: 14-JUN-1994
; APPLICATION NUMBER: US 07/871,426
; FILING DATE: 21-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/676,036
; FILING DATE: 27-MAR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/538,796
; FILING DATE: 15-JUN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/192,754
; FILING DATE: 11-MAY-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 06/925,196
; FILING DATE: 31-OCT-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 06/904,517
; FILING DATE: 05-SEP-1986
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-50-7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-468-671-10

Query Match    67.3%;  Score 33;  DB 1;  Length 108;
Best Local Similarity   71.4%;  Pred. No. 68;
Matches    5;  Conservative  2;  Mismatches  2;  Indels  0;  Gaps  0;

Qy   2 LYDDNQR 8
       :||||:|
Db  47 VYDDNER 53

Search completed: February 7, 2006, 12:49:37
Job time : 21.4894 secs

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          GenCore version 5.1.7
          Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:     February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
                                         (without alignments)
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Title:           US-10-006-177A-4
Perfect score:   49
Sequence:        1 FLYDDNQRV 9
Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:     1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Published Applications AA Main:*
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              2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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              5: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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         Pred. No. is the number of results predicted by chance to have a
         score greater than or equal to the score of the result being printed,
         and is derived by analysis of the total score distribution.

                                   SUMMARIES
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| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 49 | 100.0 | 9 | 4 | US-10-006-177-4 | Sequence 4, Appli |
| 2 | 49 | 100.0 | 546 | 5 | US-10-450-763-52754 | Sequence 52754, A |
| 3 | 49 | 100.0 | 990 | 4 | US-10-087-192-477 | Sequence 477, App |
| 4 | 49 | 100.0 | 1083 | 4 | US-10-087-192-480 | Sequence 480, App |
| 5 | 49 | 100.0 | 1139 | 5 | US-10-450-763-52756 | Sequence 52756, A |
| 6 | 49 | 100.0 | 1526 | 5 | US-10-471-758-2 | Sequence 2, Appli |
| 7 | 49 | 100.0 | 1531 | 3 | US-09-876-889-347 | Sequence 347, App |
| 8 | 49 | 100.0 | 1531 | 4 | US-09-998-598-2593 | Sequence 2593, App |
| 9 | 49 | 100.0 | 1531 | 4 | US-10-171-311-222 | Sequence 222, App |
| 10 | 49 | 100.0 | 1531 | 4 | US-10-301-822-211 | Sequence 211, App |
| 11 | 49 | 100.0 | 1531 | 4 | US-10-435-696-46 | Sequence 46, Appl |
| 12 | 49 | 100.0 | 1531 | 5 | US-10-723-860-2100 | Sequence 2100, Ap |
| 13 | 49 | 100.0 | 1531 | 4 | US-10-645-756-42 | Sequence 42, Appl |
| 14 | 49 | 100.0 | 1531 | 5 | US-10-756-149-5261 | Sequence 5261, Ap |
| 15 | 49 | 100.0 | 1531 | 5 | US-10-745-237-268 | Sequence 268, App |
| 16 | 49 | 100.0 | 1621 | 4 | US-10-296-115-1161 | Sequence 1161, Ap |
| 17 | 49 | 100.0 | 1626 | 4 | US-10-408-765A-3017 | Sequence 3017, Ap |
| 18 | 49 | 100.0 | 1626 | 5 | US-10-745-237-270 | Sequence 270, App |
| 19 | 40 | 81.6 | 816 | 4 | US-10-369-493-5435 | Sequence 5435, Ap |
| 20 | 40 | 81.6 | 1520 | 4 | US-10-369-493-5596 | Sequence 5596, Ap |
| 21 | 40 | 81.6 | 1520 | 4 | US-10-369-493-5597 | Sequence 5597, Ap |
| 22 | 37 | 75.5 | 110 | 5 | US-10-891-972-24 | Sequence 24, Appl |
| 23 | 37 | 75.5 | 110 | 5 | US-10-891-972-34 | Sequence 34, Appl |
| 24 | 37 | 75.5 | 250 | 4 | US-10-779-461-11 | Sequence 11, Appl |
| 25 | 37 | 75.5 | 251 | 4 | US-10-779-461-51 | Sequence 51, Appl |
| 26 | 37 | 75.5 | 385 | 6 | US-11-097-143-1551 | Sequence 1551, Ap |
| 27 | 37 | 75.5 | 617 | 4 | US-10-437-963-162226 | Sequence 162226, |
| 28 | 35 | 71.4 | 83 | 4 | US-10-425-114-47619 | Sequence 47619, A |
| 29 | 35 | 71.4 | 219 | 4 | US-10-282-122A-69066 | Sequence 69066, A |
| 30 | 35 | 71.4 | 274 | 4 | US-10-437-963-109620 | Sequence 109620, A |
| 31 | 35 | 71.4 | 396 | 5 | US-10-732-923-10167 | Sequence 10167, A |
| 32 | 35 | 71.4 | 441 | 4 | US-10-369-493-3569 | Sequence 3569, Ap |
| 33 | 35 | 71.4 | 463 | 4 | US-10-425-115-295784 | Sequence 295784, |
| 34 | 35 | 71.4 | 618 | 4 | US-10-425-115-347738 | Sequence 347738, |
| 35 | 35 | 71.4 | 623 | 4 | US-10-425-114-53896 | Sequence 53896, A |
| 36 | 35 | 71.4 | 655 | 4 | US-10-369-493-20595 | Sequence 20595, A |
| 37 | 35 | 71.4 | 659 | 4 | US-10-282-122A-47206 | Sequence 47206, A |
| 38 | 35 | 71.4 | 693 | 4 | US-10-156-761-9305 | Sequence 9305, Ap |
| 39 | 35 | 71.4 | 843 | 4 | US-10-282-122A-68528 | Sequence 68528, A |
| 40 | 35 | 71.4 | 2122 | 4 | US-10-437-963-189782 | Sequence 189782, |
| 41 | 34 | 69.4 | 78 | 4 | US-10-424-599-182919 | Sequence 182919, |
| 42 | 34 | 69.4 | 158 | 5 | US-10-450-763-33539 | Sequence 33539, A |
| 43 | 34 | 69.4 | 158 | 5 | US-10-450-763-50354 | Sequence 50354, A |
| 44 | 34 | 69.4 | 223 | 4 | US-10-767-701-35086 | Sequence 35086, A |
| 45 | 34 | 69.4 | 223 | 4 | US-10-425-115-284417 | Sequence 284417, |

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                                 ALIGNMENTS

RESULT 1
US-10-006-177-4
; Sequence 4, Application US/10006177
; Publication No. US2003016551A1
; GENERAL INFORMATION:
;  APPLICANT: Ramakrishna, Venky
;  APPLICANT: Ross, Mark
;  APPLICANT: Philip, Ramila
;  TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
;  TITLE OF INVENTION: Diagnosis of Cancer
;  FILE REFERENCE: 26747-35
;  CURRENT APPLICATION NUMBER: US/10/006,177
;  CURRENT FILING DATE: 2001-12-04
;  PRIOR APPLICATION NUMBER: US/60/251,022
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: US/60/256,824
;  PRIOR FILING DATE: 2000-12-20
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.0
;  SEQ ID NO 4
;  LENGTH: 9
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Epitopic Peptide
US-10-006-177-4

  Query Match             100.0%;  Score 49;  DB 4;  Length 9;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+06;
  Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       1 FLYDDNQRV 9
           |||||||||
Db       1 FLYDDNQRV 9


RESULT 2
US-10-450-763-52754
; Sequence 52754, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;  FILE REFERENCE: 790CIP3/US
;  CURRENT APPLICATION NUMBER: US/10/450,763
;  CURRENT FILING DATE: 2003-06-11
;  PRIOR APPLICATION NUMBER: PCT/US01/08631
;  PRIOR FILING DATE: 2001-03-30
;  PRIOR APPLICATION NUMBER: 09/540,217
;  PRIOR FILING DATE: 2000-03-31
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; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 52754
; LENGTH: 546
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (225)..(251)
; OTHER INFORMATION: DNA topoisomerase II proteins domain identified by eMATRIX,
; OTHER INFORMATION: accession number BL00177I, p-value=2.200e-21, raw score of 21.82
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (146)..(321)
; OTHER INFORMATION: DNA gyrase/topoisomerase IV, subunit A domain identified by
; OTHER INFORMATION: PFam, accession name DNA_topoisoIV, E-value=2.4e-98, PFam score c
; OTHER INFORMATION: 313.3
US-10-450-763-52754

Query Match             100.0%;  Score 49;  DB 5;  Length 546;
Best Local Similarity   100.0%;  Pred. No. 0.9;
  Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        261 FLYDDNQRV 269

RESULT 3
US-10-087-192-477
; Sequence 477, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
;  APPLICANT: Morris, David W.
;  APPLICANT: Engelhard, Eric K.
;  TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
;  TITLE OF INVENTION: CANCER
;  FILE REFERENCE: 52945200000122
;  CURRENT APPLICATION NUMBER: US/10/087,192
;  CURRENT FILING DATE: 2002-03-01
;  PRIOR APPLICATION NUMBER: US 09/747,377
;  PRIOR FILING DATE: 2000-12-22
;  PRIOR APPLICATION NUMBER: US 09/798,586
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 2059
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 477
;  LENGTH: 990
;  TYPE: PRT
;  ORGANISM: Mus musculus
US-10-087-192-477

Query Match             100.0%;  Score 49;  DB 4;  Length 990;
Best Local Similarity   100.0%;  Pred. No. 1.7;
  Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        289 FLYDDNQRV 297

RESULT 4
US-10-087-192-480
; Sequence 480, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
;  APPLICANT: Morris, David W.
;  APPLICANT: Engelhard, Eric K.
;  TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
;  TITLE OF INVENTION: CANCER
;  FILE REFERENCE: 52945200000122
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;  CURRENT APPLICATION NUMBER: US/10/087,192
;  CURRENT FILING DATE: 2002-03-01
;  PRIOR APPLICATION NUMBER: US 09/747,377
;  PRIOR FILING DATE: 2000-12-22
;  PRIOR APPLICATION NUMBER: US 09/798,586
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 2059
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 480
;  LENGTH: 1083
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-087-192-480

Query Match             100.0%;  Score 49;  DB 4;  Length 1083;
Best Local Similarity   100.0%;  Pred. No. 1.9;
  Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        671 FLYDDNQRV 679

RESULT 5
US-10-450-763-52756
; Sequence 52756, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;  FILE REFERENCE: 790CIP3/US
;  CURRENT APPLICATION NUMBER: US/10/450,763
;  CURRENT FILING DATE: 2003-06-11
;  PRIOR APPLICATION NUMBER: PCT/US01/08631
;  PRIOR FILING DATE: 2001-03-30
;  PRIOR APPLICATION NUMBER: 09/540,217
;  PRIOR FILING DATE: 2000-03-31
;  PRIOR APPLICATION NUMBER: 09/649,167
;  PRIOR FILING DATE: 2000-08-23
;  NUMBER OF SEQ ID NOS: 60736
;  SOFTWARE: Custom
; SEQ ID NO 52756
;  LENGTH: 1139
;  TYPE: PRT
;  ORGANISM: Homo sapiens
; FEATURE:
;  NAME/KEY: DOMAIN
;  LOCATION: (55)..(91)
;  OTHER INFORMATION: DNA topoisomerase IV, subunit A domain identified by
;  OTHER INFORMATION: accession number BL00177H, p-value=3.647e-39, raw score of 21.42
; FEATURE:
;  NAME/KEY: DOMAIN
;  LOCATION: (239)..(707)
;  OTHER INFORMATION: DNA gyrase/topoisomerase IV, subunit A domain identified by
;  OTHER INFORMATION: PFam, accession name DNA_topoisoIV, E-value=1.4e-186, PFam score
;  OTHER INFORMATION: 592.7
; FEATURE:
;  NAME/KEY: misc_feature
;  LOCATION: (1)..(1139)
;  OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-52756

Query Match             100.0%;  Score 49;  DB 5;  Length 1139;
Best Local Similarity   100.0%;  Pred. No. 2;
  Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        352 FLYDDNQRV 360

RESULT 6
US-10-471-758-2
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;  Sequence 2, Application US/10471758
;  Publication No. US20040249574A1
;  GENERAL INFORMATION:
;  APPLICANT: Tishby, Naftali
;  APPLICANT: Seldin, Yevgeny
;  APPLICANT: Bejerano, Gill
;  APPLICANT: Margalit, Hanah
;  TITLE OF INVENTION: Markovian Domain Fingerprinting In Statistical Segmentation Of
;  TITLE OF INVENTION: Protein Sequences
;  FILE REFERENCE: 26874
;  CURRENT APPLICATION NUMBER: US/10/471,758
;  CURRENT FILING DATE: 2003-09-26
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn version 3.2
;  SEQ ID NO 2
;  LENGTH: 1526
;  TYPE: PRT
;  ORGANISM: Cricetulus longicaudatus
US-10-471-758-2

Query Match        100.0%;  Score 49;  DB 5;  Length 1526;
Best Local Similarity 100.0%;  Pred. No. 2.8;
Matches 9;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy    1 FLYDDNQRV 9
        |||||||||
Db  827 FLYDDNQRV 835

RESULT 7
US-09-876-889-347
;  Sequence 347, Application US/09876889
;  Patent No. US20020076715A1
;  GENERAL INFORMATION:
;  APPLICANT: Benson, Darin R.
;  APPLICANT: Lodes, Michael J.
;  APPLICANT: Mitcham, Jennifer L.
;  APPLICANT: King, Gordon E.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
;  TITLE OF INVENTION: CANCER THERAPY AND DIAGNOSIS
;  FILE REFERENCE: 210121.466C3
;  CURRENT APPLICATION NUMBER: US/09/876,889
;  CURRENT FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 353
;  SOFTWARE: FastSEQ for Windows Version 3.0
;  SEQ ID NO 347
;  LENGTH: 1531
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-09-876-889-347

Query Match        100.0%;  Score 49;  DB 3;  Length 1531;
Best Local Similarity 100.0%;  Pred. No. 2.8;
Matches 9;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy    1 FLYDDNQRV 9
        |||||||||
Db  828 FLYDDNQRV 836

RESULT 8
US-09-998-598-2593
;  Sequence 2593, Application US/09998598
;  Patent No. US20020015J922A1
;  GENERAL INFORMATION:
;  APPLICANT: Stolk, John A.
;  APPLICANT: Xu, Jiangchun
;  APPLICANT: Chenault, Ruth A.
;  APPLICANT: Meagher, Madelein Joy
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
;  FILE REFERENCE: 210121.561
;  CURRENT APPLICATION NUMBER: US/09/998,598
;  CURRENT FILING DATE: 2001-11-16
;  NUMBER OF SEQ ID NOS: 2606
;  SOFTWARE: Corixa Invention Disclosure Database
;  SEQ ID NO 2593
;  LENGTH: 1531
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-09-998-598-2593

Query Match        100.0%;  Score 49;  DB 3;  Length 1531;
Best Local Similarity 100.0%;  Pred. No. 2.8;
Matches 9;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy    1 FLYDDNQRV 9
        |||||||||
Db  828 FLYDDNQRV 836

RESULT 9
US-10-171-311-222
;  Sequence 222, Application US/10171311
;  Publication No. US20030087270A1
;  GENERAL INFORMATION:
;  APPLICANT: Schlegel, Robert
;  APPLICANT: Chen, Yan
;  APPLICANT: Zhao, Xumei
;  APPLICANT: Monahan, John
;  APPLICANT: Kamatkar, Shubhangi
;  APPLICANT: Glatt, Karen
;  APPLICANT: Gannavarapu, Manjula
;  APPLICANT: Hoersh, Sebastian
;  TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
;  TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
;  TITLE OF INVENTION: OF CERVICAL CANCER
;  FILE REFERENCE: MRI-035
;  CURRENT APPLICATION NUMBER: US/10/171,311
;  CURRENT FILING DATE: 2002-06-12
;  PRIOR APPLICATION NUMBER: US 60/298,159
;  PRIOR FILING DATE: 2001-06-13
;  PRIOR APPLICATION NUMBER: US 60/298,155
;  PRIOR FILING DATE: 2001-06-13
;  PRIOR APPLICATION NUMBER: US 60/335,936
;  PRIOR FILING DATE: 2001-11-14
;  NUMBER OF SEQ ID NOS: 238
;  SOFTWARE: FastSEQ for Windows Version 4.0
;  SEQ ID NO 222
;  LENGTH: 1531
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-171-311-222

Query Match        100.0%;  Score 49;  DB 4;  Length 1531;
Best Local Similarity 100.0%;  Pred. No. 2.8;
Matches 9;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy    1 FLYDDNQRV 9
        |||||||||
Db  828 FLYDDNQRV 836

RESULT 10
US-10-301-822-211
;  Sequence 211, Application US/10301822
;  Publication No. US20030148410A1
;  GENERAL INFORMATION:
;  APPLICANT: Millennium Pharmaceuticals, Inc.
;  APPLICANT: Berger, Allison
;  APPLICANT: Guillemette, Tracy L.
;  APPLICANT: Kamatkar, Shubhangi
;  APPLICANT: Schlegel, Robert
;  APPLICANT: Monahan, John E.
;  APPLICANT: Thibodeau, Stephen N.
;  APPLICANT: Burgart, Lawrence J.
```

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-301-822-211

Query Match         100.0%;  Score 49;  DB 4;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 2.8;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        828 FLYDDNQRV 836

RESULT 11
US-10-435-696-46
; Sequence 46, Application US2004001852S696
; Publication No. US20040018525A1
; GENERAL INFORMATION:
; APPLICANT: Wirtz, Ralph
; APPLICANT: Munnes, Marc
; APPLICANT: Kallabis, Harald
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE PREDICTION, DIAGNOSIS, PROGNOSIS
; TITLE OF INVENTION: PREVENTION AND TREATMENT OF MALIGNANT NEOPLASIA
; FILE REFERENCE: LeA 36 108
; CURRENT APPLICATION NUMBER: US/10/435,696
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: EP03003112.4
; PRIOR FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: EP02010291.9
; PRIOR FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 314
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-435-696-46

Query Match         100.0%;  Score 49;  DB 4;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 2.8;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        828 FLYDDNQRV 836

RESULT 12
US-10-723-860-2100
; Sequence 2100, Application US10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2100
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-2100

Query Match         100.0%;  Score 49;  DB 5;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 2.8;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        828 FLYDDNQRV 836

RESULT 13
US-10-645-756-42
; Sequence 42, Application US10645756
; Publication No. US20050037010A1
; GENERAL INFORMATION:
; APPLICANT: Monahan, John
; APPLICANT: Zhao, Xumei
; APPLICANT: Chen, Yan
; APPLICANT: Glatt, Karen
; APPLICANT: Kamatkar, Shubhangi
; TITLE OF INVENTION: COMPOSITIONS, KITS AND METHODS FOR IDENTIFICATION,
; TITLE OF INVENTION: ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: MRI-062
; CURRENT APPLICATION NUMBER: US/10/645,756
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: 60/404770
; PRIOR FILING DATE: 2002-08-20
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-645-756-42

Query Match         100.0%;  Score 49;  DB 5;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 2.8;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 FLYDDNQRV 9
              |||||||||
Db        828 FLYDDNQRV 836

RESULT 14
US-10-756-149-5261
; Sequence 5261, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AN
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5261
; LENGTH: 1531

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;  TYPE: PRT
;; ORGANISM: Homo Sapiens
US-10-756-149-5261

Query Match          100.0%;  Score 49;  DB 5;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 2.8;
Matches    9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 FLYDDNQRV 9
          |||||||||
Db    828 FLYDDNQRV 836


RESULT 15
US-10-745-237-268
;  Sequence 268, Application US/1074527
;  Publication No. US20050227301A1
;  GENERAL INFORMATION:
;  APPLICANT: Cyclacel Limited
;  APPLICANT:   Glover, David
;  APPLICANT:   Bell, Graham
;  APPLICANT:   Frenz, Lisa
;  APPLICANT:   Midgley, Carol
;  TITLE OF INVENTION: Cell Cycle Progression Proteins
;  FILE REFERENCE: P015819WO CYK
;  CURRENT APPLICATION NUMBER: US/10/745,237
;  CURRENT FILING DATE:  2003-12-23
;  PRIOR APPLICATION NUMBER: US 60/439,123
;  PRIOR FILING DATE: 2003-01-10
;  PRIOR APPLICATION NUMBER: US 60/468,402
;  PRIOR FILING DATE: 2003-05-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn version 3.1
;  SEQ ID NO 268
;    LENGTH: 1531
;    TYPE: PRT
;    ORGANISM: Homo sapiens
;    FEATURE:
;    OTHER INFORMATION: P11388
US-10-745-237-268

Query Match          100.0%;  Score 49;  DB 5;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 2.8;
Matches    9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 FLYDDNQRV 9
          |||||||||
Db    828 FLYDDNQRV 836


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        Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:   February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
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Title:          US-10-006-177A-4
Perfect score:  49
Sequence:       1 FLYDDNQRV 9
Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5
Searched:       88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:   88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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    3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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    8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 49 | 100.0 | 1531 | 7 | US-11-087-227-24 | Sequence 24, Appl |
| 2 | 49 | 100.0 | 1531 | 7 | US-11-186-284-211 | Sequence 211, App |
| 3 | 33 | 67.3 | 98 | 7 | US-11-084-554-203 | Sequence 203, App |
| 4 | 33 | 67.3 | 98 | 7 | US-11-136-250-203 | Sequence 203, App |
| 5 | 33 | 67.3 | 108 | 6 | US-10-834-397-20 | Sequence 20, Appl |
| 6 | 33 | 67.3 | 109 | 7 | US-11-102-621-4 | Sequence 4, Appli |
| 7 | 33 | 67.3 | 110 | 6 | US-10-982-440-40 | Sequence 40, Appl |
| 8 | 33 | 67.3 | 110 | 6 | US-10-982-440-42 | Sequence 42, Appl |
| 9 | 33 | 67.3 | 110 | 6 | US-10-982-440-58 | Sequence 58, Appl |
| 10 | 33 | 67.3 | 258 | 7 | US-11-054-515-1234 | Sequence 1234, Ap |
| 11 | 33 | 67.3 | 554 | 6 | US-10-467-657-8240 | Sequence 8240, Ap |
| 12 | 32 | 65.3 | 109 | 6 | US-10-834-397-32 | Sequence 32, Appl |
| 13 | 32 | 65.3 | 109 | 6 | US-10-834-397-51 | Sequence 51, Appl |
| 14 | 32 | 65.3 | 230 | 7 | US-11-055-822-1068 | Sequence 1068, Ap |
| 15 | 32 | 65.3 | 250 | 7 | US-11-054-515-1540 | Sequence 1540, Ap |
| 16 | 32 | 65.3 | 259 | 7 | US-11-054-515-1277 | Sequence 1277, Ap |
| 17 | 32 | 65.3 | 341 | 7 | US-11-055-822-570 | Sequence 570, App |
| 18 | 32 | 65.3 | 341 | 7 | US-11-055-822-574 | Sequence 574, App |
| 19 | 32 | 65.3 | 701 | 7 | US-11-055-822-1066 | Sequence 1066, Ap |
| 20 | 31 | 63.3 | 400 | 6 | US-10-467-657-7588 | Sequence 7588, Ap |
| 21 | 31 | 63.3 | 434 | 6 | US-10-793-626-1456 | Sequence 1456, Ap |
| 22 | 31 | 63.3 | 501 | 6 | US-10-793-626-30 | Sequence 30, Appl |
| 23 | 31 | 63.3 | 557 | 6 | US-11-194-246-1486 | Sequence 1486, Ap |
| 24 | 31 | 63.3 | 864 | 6 | US-11-194-246-343 | Sequence 343, Appl |
| 25 | 30 | 61.2 | 10 | 6 | US-10-973-977-64 | Sequence 64, Appl |
| 26 | 30 | 61.2 | 30 | 6 | US-10-973-977-23 | Sequence 23, Appl |
| 27 | 30 | 61.2 | 252 | 7 | US-11-054-515-1549 | Sequence 1549, Ap |
| 28 | 30 | 61.2 | 253 | 6 | US-11-054-515-1227 | Sequence 1227, Ap |
| 29 | 30 | 61.2 | 320 | 6 | US-10-467-657-2870 | Sequence 2870, Ap |
| 30 | 30 | 61.2 | 380 | 6 | US-11-024-959-339 | Sequence 339, App |
| 31 | 30 | 61.2 | 605 | 7 | US-10-689-742-140 | Sequence 140, App |
| 32 | 30 | 61.2 | 948 | 7 | US-11-037-243-94 | Sequence 94, Appl |
| 33 | 29 | 59.2 | 61 | 6 | US-10-467-657-8466 | Sequence 8466, Ap |
| 34 | 29 | 59.2 | 110 | 6 | US-10-982-440-52 | Sequence 52, Appl |
| 35 | 29 | 59.2 | 244 | 7 | US-11-054-515-1842 | Sequence 1842, Ap |
| 36 | 29 | 59.2 | 248 | 7 | US-11-054-515-1273 | Sequence 1273, Ap |
| 37 | 29 | 59.2 | 252 | 7 | US-11-054-515-1861 | Sequence 1861, Ap |
| 38 | 29 | 59.2 | 253 | 6 | US-10-485-517-199 | Sequence 199, App |
| 39 | 29 | 59.2 | 327 | 6 | US-10-467-657-2408 | Sequence 2408, Ap |
| 40 | 29 | 59.2 | 336 | 6 | US-10-517-939-44 | Sequence 44, Appl |
| 41 | 29 | 59.2 | 376 | 6 | US-10-793-626-490 | Sequence 490, App |
| 42 | 29 | 59.2 | 376 | 6 | US-10-793-626-2260 | Sequence 2260, Ap |
| 43 | 29 | 59.2 | 571 | 6 | US-10-793-626-118 | Sequence 118, App |
| 44 | 29 | 59.2 | 629 | 6 | US-10-873-528-125 | Sequence 125, App |
| 45 | 29 | 59.2 | 659 | 6 | US-10-467-657-6006 | Sequence 6006, Ap |

ALIGNMENTS

```
RESULT 1
US-11-087-227-24
; Sequence 24, Application US/11087227
; Publication No. US20050260566A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Timothy J.
; APPLICANT: Malinowski, Douglas P.
; APPLICANT: Taylor, Adriann J.
; APPLICANT: Parker, Margaret R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
; TITLE OF INVENTION: DETECTION OF CERVICAL DISEASE
; FILE REFERENCE: 046143/287139
; CURRENT APPLICATION NUMBER: US/11/087,227
; CURRENT FILING DATE: 2005-03-23
; PRIOR APPLICATION NUMBER: 60/556,495
; PRIOR FILING DATE: 2004-03-24
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-087-227-24

Query Match          100.0%;  Score 49;   DB 7;  Length 1531;
Best Local Similarity  100.0%;  Pred. No. 0.12;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy          1  FLYDDNQRV  9
               |||||||||
Db        828  FLYDDNQRV  836

RESULT 2
US-11-186-284-211
; Sequence 211, Application US/1186284
; Publication No. US20050266493A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
```

; TITLE OF INVENTION: THERAPY OF COLON CANCER
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/11/186,284
; CURRENT FILING DATE: 2005-07-21
; PRIOR APPLICATION NUMBER: US/10/301,822
; PRIOR APPLICATION FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR APPLICATION FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR APPLICATION FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR APPLICATION FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-11-186-284-211

Query Match             100.0%;   Score 49;  DB 7;  Length 1531;
Best Local Similarity   100.0%;   Pred. No. 0.12;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 FLYDDNQRV 9
            |||||||||
Db      828 FLYDDNQRV 836


RESULT 3
US-11-084-554-203
; Sequence 203, Application US/11084554
; Publication No. US2005026067941
; GENERAL INFORMATION:
;   APPLICANT: Kellermann, Sirid-Ai
;   APPLICANT: Green, Larry L.
;   APPLICANT: Korver, Wouter
;   TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
;   TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REFERENCE: ABGENIX.100A
; CURRENT APPLICATION NUMBER: US/11/084,554
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR APPLICATION FILING DATE: 2004-03-19
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR APPLICATION FILING DATE: 2004-05-24
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-084-554-203

Query Match             67.3%;   Score 33;  DB 7;  Length 98;
Best Local Similarity   71.4%;   Pred. No. 7.7;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        2 LYDDNQR 8
            :|:||||
Db       49 IYEDNQR 55


RESULT 4
US-11-136-250-203
; Sequence 203, Application US/11136250
; Publication No. US20060021074A1
; GENERAL INFORMATION:
;   APPLICANT: Kellermann, Sirid-Ai
;   APPLICANT: Green, Larry L.
;   APPLICANT: Korver, Wouter
;   TITLE OF INVENTION: REDUCING THE RISK OF HUMAN ANTI-HUMAN
;   TITLE OF INVENTION: ANTIBODIES THROUGH V GENE MANIPULATION
; FILE REFERENCE: ABGENIX.100A2
; CURRENT APPLICATION NUMBER: US/11/136,250
; CURRENT FILING DATE: 2005-05-23
; PRIOR APPLICATION NUMBER: 11/084,554
; PRIOR APPLICATION FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: PCT/US2005/009306
; PRIOR APPLICATION FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: 60/574,661
; PRIOR APPLICATION FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: 60/554,372
; PRIOR APPLICATION FILING DATE: 2004-03-19
; NUMBER OF SEQ ID NOS: 266
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-136-250-203

Query Match             67.3%;   Score 33;  DB 7;  Length 98;
Best Local Similarity   71.4%;   Pred. No. 7.7;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        2 LYDDNQR 8
            :|:||||
Db       49 IYEDNQR 55


RESULT 5
US-10-834-397-20
; Sequence 20, Application US/10834397
; Publication No. US2006000333401
; GENERAL INFORMATION:
;   APPLICANT: Knappik, Achim
;               Pack, Peter
;               Ilag, Vic
;               Ge, Liming
;               Moroney, Simon
;               Plueckthun, Andreas
;   TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
;   STREET: 1251 Avenue of the Americas
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10021
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/10/834,397
;   FILING DATE: 29-Apr-2004
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/09/490,324
;   FILING DATE: 24-Jan-2000
;   APPLICATION NUMBER: US/09/025,769
;   FILING DATE: 18-FEB-1998
;   APPLICATION NUMBER: EP 95 11 3021.0
;   FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
;   NAME: James F. Haley, Jr., Esq.
;   REGISTRATION NUMBER: 27,794
;   REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212)596-9000
;   TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 20:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 108 amino acids

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;            TYPE: amino acid
;            STRANDEDNESS: <Unknown>
;            TOPOLOGY: linear
;    MOLECULE TYPE: protein
;    SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-834-397-20

Query Match             67.3%;   Score 33;  DB 6;  Length 108;
Best Local Similarity   71.4%;   Pred. No.  8.5;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy    2 LYDDNQR 8
        :||||:|
Db   46 IYDDNKR 52

RESULT 6
US-11-102-621-4
; Sequence 4, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
;   APPLICANT: Protein Design Labs, Inc.
;   APPLICANT: Hinton, Paul R.
;   APPLICANT: Tsurushita, Naoya
;   APPLICANT: Tso, J. Yun
;   APPLICANT: Vasquez, Maximilliano
;   TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
;   TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
;   FILE REFERENCE: 05882.0039.00PC03
;   CURRENT APPLICATION NUMBER: US/11/102,621
;   CURRENT FILING DATE: 2005-04-08
;   PRIOR APPLICATION NUMBER: US 10/822,300
;   PRIOR FILING DATE: 2004-04-09
;   NUMBER OF SEQ ID NOS: 146
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
;   LENGTH: 109
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-102-621-4

Query Match             67.3%;   Score 33;  DB 7;  Length 109;
Best Local Similarity   71.4%;   Pred. No.  8.5;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy    2 LYDDNQR 8
        :||||:|
Db   47 VYDDNER 53

RESULT 7
US-10-982-440-40
; Sequence 40, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
;   APPLICANT: Oliner, John
;   APPLICANT: Graham, Kevin
;   TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
;   FILE REFERENCE: 04-881-A
;   CURRENT APPLICATION NUMBER: US/10/982,440
;   CURRENT FILING DATE: 2004-11-04
;   PRIOR APPLICATION NUMBER: 60/620,161
;   PRIOR FILING DATE: 2004-10-19
;   NUMBER OF SEQ ID NOS: 215
;   SOFTWARE: PatentIn version 3.3
; SEQ ID NO 40
;   LENGTH: 110
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-982-440-40

Query Match             67.3%;   Score 33;  DB 6;
Best Local Similarity   71.4%;   Pred. No.  8.6;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy    2 LYDDNQR 8
        ::||||:|
Db   49 IFDDNQR 55

RESULT 8
US-10-982-440-42
; Sequence 42, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
;   APPLICANT: Oliner, John
;   APPLICANT: Graham, Kevin
;   TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
;   FILE REFERENCE: 04-881-A
;   CURRENT APPLICATION NUMBER: US/10/982,440
;   CURRENT FILING DATE: 2004-11-04
;   PRIOR APPLICATION NUMBER: 60/620,161
;   PRIOR FILING DATE: 2004-10-19
;   NUMBER OF SEQ ID NOS: 215
;   SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
;   LENGTH: 110
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-982-440-42

Query Match             67.3%;   Score 33;  DB 6;  Length 110;
Best Local Similarity   71.4%;   Pred. No.  8.6;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy    2 LYDDNQR 8
        :|:||||
Db   49 IYEDNQR 55

RESULT 9
US-10-982-440-58
; Sequence 58, Application US/10982440
; Publication No. US20060018909A1
; GENERAL INFORMATION:
;   APPLICANT: Oliner, John
;   APPLICANT: Graham, Kevin
;   TITLE OF INVENTION: Angiopoietin-2 Specific Binding Agents
;   FILE REFERENCE: 04-881-A
;   CURRENT APPLICATION NUMBER: US/10/982,440
;   CURRENT FILING DATE: 2004-11-04
;   PRIOR APPLICATION NUMBER: 60/620,161
;   PRIOR FILING DATE: 2004-10-19
;   NUMBER OF SEQ ID NOS: 215
;   SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
;   LENGTH: 110
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-982-440-58

Query Match             67.3%;   Score 33;  DB 6;  Length 110;
Best Local Similarity   71.4%;   Pred. No.  8.6;
Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy    2 LYDDNQR 8
        :|:||||
Db   49 IYEDNQR 55

RESULT 10
US-11-054-515-1234
; Sequence 1234, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
;   APPLICANT: Ruben et al.
```

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;     TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
;  FILE REFERENCE: PF521P3
;  CURRENT APPLICATION NUMBER: US/11/054,515
;  CURRENT FILING DATE:  2005-02-10
;  PRIOR APPLICATION NUMBER: 60/543,296
;  PRIOR FILING DATE: 2004-02-11
;  PRIOR APPLICATION NUMBER: 60/580,347
;  PRIOR FILING DATE: 2004-06-18
;  PRIOR APPLICATION NUMBER: 10/293,418
;  PRIOR FILING DATE: 2002-11-14
;  PRIOR APPLICATION NUMBER: 60/331,469
;  PRIOR FILING DATE: 2001-11-16
;  PRIOR APPLICATION NUMBER: 60/340,817
;  PRIOR FILING DATE: 2001-12-19
;  PRIOR APPLICATION NUMBER: 09/880,748
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: 60/293,499
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: 60/277,379
;  PRIOR FILING DATE: 2001-03-21
;  PRIOR APPLICATION NUMBER: 60/276,248
;  PRIOR FILING DATE: 2001-03-16
;  PRIOR APPLICATION NUMBER: 60/240,816
;  PRIOR FILING DATE: 2000-10-17
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1234
;   LENGTH: 258
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-054-515-1234

Query Match         67.3%;   Score 33;  DB 7;  Length 258;
Best Local Similarity   71.4%;   Pred. No. 21;
Matches    5;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        2 LYDDNQR 8
            :|:||||
Db      196 IYEDNQR 202


RESULT 11
US-10-467-657-8240
;  Sequence 8240, Application US/10467657
;  Publication No. US20050260581A1
;  GENERAL INFORMATION:
;   APPLICANT: CHIRON SpA
;   APPLICANT: FONTANA Maria Rita
;   APPLICANT: PIZZA Mariagrazia
;   APPLICANT: MASIGNANI Vega
;   APPLICANT: MONACI Elisabetta
;  TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/10/467,657
;  CURRENT FILING DATE:  2003-08-11
;  PRIOR APPLICATION NUMBER: GB-0103424.8
;  PRIOR FILING DATE: 2001-02-12
;  NUMBER OF SEQ ID NOS: 9218
;  SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 8240
;   LENGTH: 554
;   TYPE: PRT
;   ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8240

Query Match         67.3%;   Score 33;  DB 6;  Length 554;
Best Local Similarity   66.7%;   Pred. No. 46;
Matches    6;  Conservative   2;  Mismatches   2;  Indels   1;  Gaps   0;

Qy        1 FLYDDNQRV 9
            ||:||:|
Db      497 FLHDDNRPV 505
```

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RESULT 12
US-10-834-397-32
;  Sequence 32, Application US/10834397
;  Publication No. US20060003334A1
;  GENERAL INFORMATION:
;   APPLICANT: Knappik, Achim
;            Pack, Peter
;            Ilag, Vic
;            Ge, Liming
;            Moroney, Simon
;            Plueckthun, Andreas
;  TITLE OF INVENTION: Protein/(Poly)peptide libraries
;  NUMBER OF SEQUENCES: 373
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
;   STREET: 1251 Avenue of the Americas
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10021
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/10/834,397
;   FILING DATE: 29-Apr-2004
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/09/490,324
;   FILING DATE: 24-Jan-2000
;   APPLICATION NUMBER: US/09/025,769
;   FILING DATE: 18-FEB-1998
;   APPLICATION NUMBER: EP 95 11 3021.0
;   FILING DATE: 18-AUG-1995
;  ATTORNEY/AGENT INFORMATION:
;   NAME: James F. Haley, Jr., Esq.
;   REGISTRATION NUMBER: 27,794
;   REFERENCE/DOCKET NUMBER: MORPHO/5
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212)596-9000
;   TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 32:
;  SEQUENCE CHARACTERISTICS:
;   LENGTH: 109 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: <Unknown>
;   TOPOLOGY: linear
;  MOLECULE TYPE: protein
;  SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-834-397-32

Query Match         65.3%;   Score 32;  DB 6;  Length 109;
Best Local Similarity   71.4%;   Pred. No. 13;
Matches    5;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        2 LYDDNQR 8
            :||:|||
Db       49 IYDNNQR 55


RESULT 13
US-10-834-397-51
;  Sequence 51, Application US/10834397
;  Publication No. US20060003334A1
;  GENERAL INFORMATION:
;   APPLICANT: Knappik, Achim
;            Pack, Peter
;            Ilag, Vic
;            Ge, Liming
;            Moroney, Simon
;            Plueckthun, Andreas
```

; TITLE OF INVENTION: Protein/(Poly)peptide libraries
; NUMBER OF SEQUENCES: 373
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/834,397
; FILING DATE: 29-Apr-2004
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,324
; FILING DATE: 24-Jan-2000
; APPLICATION NUMBER: US/09/025,769
; FILING DATE: 18-FEB-1998
; APPLICATION NUMBER: EP 95 11 3021.0
; FILING DATE: 18-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr., Esq.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: MORPHO/5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)596-9000
; TELEFAX: (212)596-9090
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 51:
US-10-834-397-51

Query Match             65.3%;       Score 32;   DB 6;   Length 109;
Best Local Similarity   71.4%;       Pred. No. 13;
Matches    5; Conservative   2; Mismatches   2; Indels   0; Gaps   0;

Qy    2 LYDDNQR 8
        :||||||
Db   49 IYDNNQR 55

RESULT 14
US-11-055-822-1068
; Sequence 1068, Application US/11055822
; Publication No. US2005026070707A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CPCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 1068
; LENGTH: 230
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-1068

Query Match             65.3%;       Score 32;   DB 7;   Length 230;
Best Local Similarity   62.5%;       Pred. No. 29;
Matches    5; Conservative   2; Mismatches   2; Indels   1; Gaps   0;

Qy    2 LYDDNQRV 9
        ||||| ::
Db   12 LYDDNGKI 19

RESULT 15
US-11-054-515-1540
; Sequence 1540, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR APPLICATION DATE: 2005-02-11
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1540
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1540

Query Match             65.3%;       Score 32;   DB 7;   Length 250;
Best Local Similarity   71.4%;       Pred. No. 31;
Matches    5; Conservative   2; Mismatches   2; Indels   0; Gaps   0;

Qy    2 LYDDNQR 8
        ||||| :
Db  188 VYDDNKR 194

OM protein - protein search, using sw model

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Run on:     February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
                                  (without alignments)
                                  36.315 Million cell updates/sec

Title:          US-10-006-177A-5
Perfect score:  47
Sequence:       1 ALMEQQHYV 9

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:    572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :  Issued Patents AA:*
    1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
    2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
    3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
    4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
    5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
    6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                        SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 47 | 100.0 | 769 | 1 | US-08-454-455-6 | Sequence 6, Appli |
| 2 | 47 | 100.0 | 831 | 2 | US-09-949-016-10169 | Sequence 10169, A |
| 3 | 34 | 72.3 | 164 | 2 | US-09-902-540-14156 | Sequence 14156, A |
| 4 | 33 | 70.2 | 378 | 2 | US-09-248-796A-26019 | Sequence 26019, A |
| 5 | 32 | 68.1 | 152 | 2 | US-09-543-681A-7505 | Sequence 7505, Ap |
| 6 | 32 | 68.1 | 191 | 2 | US-09-489-039A-12606 | Sequence 12606, A |
| 7 | 32 | 68.1 | 591 | 2 | US-09-561-077C-18 | Sequence 18, Appl |
| 8 | 32 | 68.1 | 591 | 2 | US-09-221-014-18 | Sequence 18, Appl |
| 9 | 31 | 66.0 | 79 | 2 | US-09-732-210-348 | Sequence 348, App |
| 10 | 31 | 66.0 | 164 | 2 | US-09-543-681A-8198 | Sequence 8198, Ap |
| 11 | 31 | 66.0 | 235 | 2 | US-09-489-039A-13178 | Sequence 13178, A |
| 12 | 31 | 66.0 | 393 | 2 | US-09-248-796A-19806 | Sequence 19806, A |
| 13 | 31 | 66.0 | 478 | 2 | US-09-489-039A-7205 | Sequence 7205, Ap |
| 14 | 31 | 66.0 | 538 | 2 | US-09-252-991A-24079 | Sequence 24079, A |
| 15 | 31 | 66.0 | 1208 | 2 | US-09-463-702A-2 | Sequence 2, Appli |
| 16 | 31 | 66.0 | 1208 | 2 | US-09-699-135-2 | Sequence 2, Appli |
| 17 | 30 | 63.8 | 60 | 2 | US-09-621-976-6481 | Sequence 6481, Ap |
| 18 | 30 | 63.8 | 120 | 2 | US-09-270-767-40935 | Sequence 40935, A |
| 19 | 30 | 63.8 | 120 | 2 | US-09-270-767-56151 | Sequence 56151, A |
| 20 | 30 | 63.8 | 217 | 2 | US-09-270-767-33049 | Sequence 33049, A |
| 21 | 30 | 63.8 | 256 | 2 | US-09-902-540-14410 | Sequence 14410, A |
| 22 | 30 | 63.8 | 260 | 2 | US-09-248-796A-16370 | Sequence 16370, A |
| 23 | 30 | 63.8 | 294 | 2 | US-09-902-540-12165 | Sequence 12165, A |
| 24 | 30 | 63.8 | 344 | 2 | US-09-543-681A-4890 | Sequence 4890, Ap |
| 25 | 30 | 63.8 | 353 | 2 | US-09-540-236-2888 | Sequence 2888, Ap |
| 26 | 30 | 63.8 | 364 | 2 | US-09-248-796A-16427 | Sequence 16427, A |
| 27 | 30 | 63.8 | 402 | 2 | US-09-252-991A-17911 | Sequence 17911, A |
| 28 | 30 | 63.8 | 445 | 2 | US-09-991-181-177 | Sequence 177, App |
| 29 | 30 | 63.8 | 445 | 2 | US-09-990-444-177 | Sequence 177, App |
| 30 | 30 | 63.8 | 445 | 2 | US-09-997-333-177 | Sequence 177, App |
| 31 | 30 | 63.8 | 445 | 2 | US-09-992-598-177 | Sequence 177, App |
| 32 | 30 | 63.8 | 492 | 2 | US-09-489-039A-9018 | Sequence 9018, Ap |
| 33 | 30 | 63.8 | 526 | 2 | US-09-949-016-10277 | Sequence 10277, A |
| 34 | 30 | 63.8 | 559 | 2 | US-09-949-016-9995 | Sequence 9995, Ap |
| 35 | 30 | 63.8 | 564 | 2 | US-09-134-001C-2897 | Sequence 2897, Ap |
| 36 | 30 | 63.8 | 592 | 2 | US-09-252-991A-31642 | Sequence 31642, A |
| 37 | 30 | 63.8 | 746 | 2 | US-09-248-796A-19979 | Sequence 19979, A |
| 38 | 30 | 63.8 | 881 | 2 | US-09-252-991A-31702 | Sequence 31702, A |
| 39 | 30 | 63.8 | 888 | 2 | US-09-252-991A-25825 | Sequence 25825, Ap |
| 40 | 30 | 63.8 | 893 | 2 | US-10-104-047-3504 | Sequence 3504, Ap |
| 41 | 30 | 63.8 | 928 | 2 | US-09-134-000C-5307 | Sequence 5307, Ap |
| 42 | 30 | 63.8 | 1150 | 2 | US-09-252-991A-24671 | Sequence 24671, A |
| 43 | 30 | 63.8 | 1154 | 2 | US-09-489-039A-7724 | Sequence 7724, Ap |
| 44 | 30 | 63.8 | 1159 | 2 | US-09-328-352-7624 | Sequence 7624, Ap |
| 45 | 30 | 63.8 | 1185 | 2 | US-09-252-991A-18328 | Sequence 18328, A |

                        ALIGNMENTS

RESULT 1
US-08-454-455-6
; Sequence 6, Application US/08454455
; Patent No. 5635601
; GENERAL INFORMATION:
;  APPLICANT: Moyle, Matthew
;  APPLICANT: McLean, John W.
;  TITLE OF INVENTION: NOVEL BETA INTEGRIN SUBUNIT
;  NUMBER OF SEQUENCES: 9
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: Genentech, Inc.
;  STREET: 460 Point San Bruno Blvd
;  CITY: South San Francisco
;  STATE: California
;  COUNTRY: USA
;  ZIP: 94080
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
;  COMPUTER: IBM PC compatible
;  OPERATING SYSTEM: PC-DOS/MS-DOS
;  SOFTWARE: WinPatin (Genentech)
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/08/454,455
;  FILING DATE: 30-May-1995
;  CLASSIFICATION: 530
;  PRIOR APPLICATION DATA:
;  APPLICATION NUMBER: 08/193989
;  FILING DATE: 09-FEB-1994
;  PRIOR APPLICATION DATA:
;  APPLICATION NUMBER: 08/004142
;  FILING DATE: 13-JAN-1993
;  PRIOR APPLICATION DATA:
;  APPLICATION NUMBER: 07/670607
;  FILING DATE: 14-MAR-1991
;  ATTORNEY/AGENT INFORMATION:
;  NAME: Lee, Wendy M.
;  REGISTRATION NUMBER: 00,000
;  REFERENCE/DOCKET NUMBER: P0699C2D2
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: 415/225-1994
;  TELEFAX: 415/952-9881
;  TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 6:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 769 amino acids
;  TYPE: Amino Acid
;  TOPOLOGY: Linear
US-08-454-455-6

Query Match             100.0%;  Score 47;  DB 1;  Length 769;

Best Local Similarity  100.0%;  Pred. No. 0.32;
Matches        9;  Conservative     0;  Mismatches     0;  Indels     0;  Gaps     0;

Qy        1  ALMEQQHYV  9
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Db      662  ALMEQQHYV  670

RESULT 2
US-09-949-016-10169
; Sequence 10169, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10169
;   LENGTH: 831
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-10169

Query Match         100.0%;  Score 47;  DB 2;  Length 831;
Best Local Similarity  100.0%;  Pred. No. 0.34;
Matches        9;  Conservative     0;  Mismatches     0;  Indels     0;  Gaps     0;

Qy        1  ALMEQQHYV  9
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Db      724  ALMEQQHYV  732

RESULT 3
US-09-902-540-14156
; Sequence 14156, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 14156
;   LENGTH: 164
;   TYPE: PRT
;   ORGANISM: Myxococcus xanthus
US-09-902-540-14156

Query Match          72.3%;  Score 34;  DB 2;  Length 164;
Best Local Similarity   75.0%;  Pred. No. 24;
Matches        6;  Conservative     1;  Mismatches     1;  Indels     0;  Gaps     0;

Qy        2  LMEQQHYV  9
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Db       17  LMTQQHYL  24


RESULT 4
US-09-248-796A-26019
; Sequence 26019, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION:  FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 26019
;   LENGTH: 378
;   TYPE: PRT
;   ORGANISM: Candida albicans
US-09-248-796A-26019

Query Match          70.2%;  Score 33;  DB 2;  Length 378;
Best Local Similarity   75.0%;  Pred. No. 93;
Matches        6;  Conservative     0;  Mismatches     2;  Indels     0;  Gaps     0;

Qy        2  LMEQQHYV  9
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Db      131  LQEQNHYV  138

RESULT 5
US-09-543-681A-7505
; Sequence 7505, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; TITLE OF INVENTION:  DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 7505
;   LENGTH: 152
;   TYPE: PRT
;   ORGANISM: Proteus mirabilis
US-09-543-681A-7505

Query Match          68.1%;  Score 32;  DB 2;  Length 152;
Best Local Similarity   71.4%;  Pred. No. 56;
Matches        5;  Conservative     2;  Mismatches     2;  Indels     0;  Gaps     0;

Qy        2  LMEQQHY  8
             |:||:|:|
Db       12  LIEQEHY  18

RESULT 6
US-09-489-039A-12606
; Sequence 12606, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION:  PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29

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; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12606
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12606

Query Match          68.1%;   Score 32; DB 2; Length 191;
Best Local Similarity  62.5%;  Pred. No. 71;
Matches  5; Conservative  3; Mismatches  0; Indels  0; Gaps  0;

Qy      1 ALMEQQHY 8
           :||:||:
Db      8 SLMQQQHH 15

RESULT 7
US-09-561-077C-18
; Sequence 18, Application US/09561077C
; Patent No. 6706501
; GENERAL INFORMATION:
; APPLICANT: Rosson, Reinhardt D.
; APPLICANT: Grund, Alan D.
; APPLICANT: Deng, Ming-de
; TITLE OF INVENTION: LINOLEATE ISOMERASE
; FILE REFERENCE: 3161-20-C1
; CURRENT APPLICATION NUMBER: US/09/561,077C
; CURRENT FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/141,798
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Lactobacillus reuteri
US-09-561-077C-18

Query Match          68.1%;   Score 32; DB 2; Length 591;
Best Local Similarity  100.0%;  Pred. No. 2.4e+02;
Matches  6; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

Qy      2 LMEQQH 7
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Db    584 LMEQQH 589

RESULT 8
US-09-221-014-18
; Sequence 18, Application US/09221014C
; Patent No. 6743609
; GENERAL INFORMATION:
; APPLICANT: Rosson, Reinhardt D.
; APPLICANT: Grund, Alan D.
; APPLICANT: Deng, Ming-de
; APPLICANT: Sanchez-Riera, Fernando
; TITLE OF INVENTION: LINOLEATE ISOMERASE
; FILE REFERENCE: 3161-20
; CURRENT APPLICATION NUMBER: US/09/221,014C
; CURRENT FILING DATE: 1998-12-23
; EARLIER APPLICATION NUMBER: 60/068,617
; EARLIER FILING DATE: 1997-12-23
; EARLIER APPLICATION NUMBER: 60/089,560
; EARLIER FILING DATE: 1998-06-17
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Lactobacillus reuteri
US-09-221-014-18

Query Match          68.1%;  Score 32; DB 2; Length 591;
Best Local Similarity  100.0%;  Pred. No. 2.4e+02;
Matches  6; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

Qy      2 LMEQQH 7
           ||||||
Db    584 LMEQQH 589

RESULT 9
US-09-732-210-348
; Sequence 348, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 348
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Manduca sexta
US-09-732-210-348

Query Match          66.0%;   Score 31; DB 2; Length 79;
Best Local Similarity  62.5%;  Pred. No. 44;
Matches  5; Conservative  2; Mismatches  1; Indels  0; Gaps  0;

Qy      1 ALMEQQHY 8
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Db     57 AVMEDRHY 64

RESULT 10
US-09-543-681A-8198
; Sequence 8198, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 8198
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-8198

Query Match          66.0%;   Score 31; DB 2; Length 164;
Best Local Similarity  75.0%;  Pred. No. 95;
Matches  6; Conservative  0; Mismatches  2; Indels  0; Gaps  0;

Qy      2 LMEQQHYV 9
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Db     41 LNERMQHYV 48

RESULT 11
US-09-489-039A-13178
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; Sequence 13178, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13178
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13178

Query Match             66.0%;    Score 31;  DB 2;  Length 235;
Best Local Similarity   50.0%;    Pred. No. 1.4e+02;
Matches    4;  Conservative    4;  Mismatches    4;  Indels    0;  Gaps    0;

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Qy      1  ALMEQQHY 8
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Db     94  AMLDRQHY 101
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RESULT 12
US-09-248-796A-19806
; Sequence 19806, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 19806
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-19806

Query Match             66.0%;    Score 31;  DB 2;  Length 393;
Best Local Similarity   83.3%;    Pred. No. 2.4e+02;
Matches    5;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

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Qy      4  EQQHYV 9
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Db    207  QQQHYV 212
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RESULT 13
US-09-489-039A-7205
; Sequence 7205, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7205
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7205

Query Match             66.0%;    Score 31;  DB 2;  Length 478;
Best Local Similarity   66.7%;    Pred. No. 3e+02;
Matches    6;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

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Qy      1  ALMEQQHYV 9
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Db    243  ALPENRHYV 251
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RESULT 14
US-09-252-991A-24079
; Sequence 24079, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24079
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24079

Query Match             66.0%;    Score 31;  DB 2;  Length 538;
Best Local Similarity   71.4%;    Pred. No. 3.4e+02;
Matches    5;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

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Db    100  LVEQQHF 106
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RESULT 15
US-09-463-702A-2
; Sequence 2, Application US/09463702A
; Patent No. 6335435
; GENERAL INFORMATION:
; APPLICANT: AGENE Research Institute, Co., Ltd.
; APPLICANT: HIRAKI AND ASSOCIATES
; APPLICANT: SHIMAMOTO, AKIRO
; APPLICANT: KITAO, SAORI
; APPLICANT: FURUICHI, YASUHIRO
; TITLE OF INVENTION: HUMAN GENE RECQ4 ENCODING HELICASE
; FILE REFERENCE: HIRA1150
; CURRENT APPLICATION NUMBER: US/09/463,702A
; CURRENT FILING DATE: 2000-01-24
; PRIOR APPLICATION NUMBER: PCT/JP98/03114
; PRIOR FILING DATE: 1998-07-10
; PRIOR APPLICATION NUMBER: JAPAN 9/200387
; PRIOR FILING DATE: 1997-07-25
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1208
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-463-702A-2

Query Match             66.0%;    Score 31;  DB 2;  Length 1208;
Best Local Similarity   71.4%;    Pred. No. 8e+02;

Matches    5;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

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Db   358 MKQKHYV 364
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Search completed: February 7, 2006, 12:49:37
Job time : 20.4894 secs

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OM protein - protein search, using sw model

Run on:    February 7, 2006, 13:34:34  ; Search time 64.8191 Seconds
                                          (without alignments)
                                        58.015 Million cell updates/sec

Title:           US-10-006-177A-5
Perfect score:   47
Sequence:        1 ALMEQQHYV 9

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        1867569 seqs, 41782326 residues

Total number of hits satisfying chosen parameters:      1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Published Applications_AA Main:*
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          2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 47 | 100.0 | 9 | 4 | US-10-006-177-5 | Sequence 5, Appli |
| 2 | 47 | 100.0 | 769 | 3 | US-09-984-130-67 | Sequence 67, Appl |
| 3 | 47 | 100.0 | 769 | 3 | US-09-836-353A-67 | Sequence 67, Appl |
| 4 | 47 | 100.0 | 769 | 4 | US-10-097-340-157 | Sequence 157, App |
| 5 | 47 | 100.0 | 769 | 4 | US-10-295-027-480 | Sequence 480, App |
| 6 | 47 | 100.0 | 769 | 4 | US-10-295-027-825 | Sequence 825, App |
| 7 | 47 | 100.0 | 769 | 4 | US-10-295-027-845 | Sequence 845, App |
| 8 | 47 | 100.0 | 769 | 4 | US-10-173-999-56 | Sequence 56, Appl |
| 9 | 47 | 100.0 | 769 | 6 | US-11-050-926-157 | Sequence 157, App |
| 10 | 36 | 76.6 | 52 | 4 | US-10-424-599-275477 | Sequence 275477, |
| 11 | 36 | 76.6 | 154 | 4 | US-10-425-115-321251 | Sequence 321251, |
| 12 | 35 | 74.5 | 70 | 4 | US-10-425-115-323882 | Sequence 323882, |
| 13 | 35 | 74.5 | 207 | 4 | US-10-437-963-189508 | Sequence 189508, |
| 14 | 34 | 72.3 | 153 | 3 | US-09-764-864-872 | Sequence 872, App |
| 15 | 34 | 72.3 | 294 | 4 | US-10-408-765A-773 | Sequence 773, App |
| 16 | 33 | 70.2 | 96 | 3 | US-10-437-963-112983 | Sequence 112983, |
| 17 | 33 | 70.2 | 229 | 3 | US-09-866-562-92 | Sequence 92, Appl |
| 18 | 33 | 70.2 | 268 | 4 | US-10-412-699B-730 | Sequence 730, App |
| 19 | 33 | 70.2 | 302 | 6 | US-11-097-143-879 | Sequence 879, App |
| 20 | 33 | 70.2 | 623 | 4 | US-10-425-114-59015 | Sequence 59015, A |
| 21 | 33 | 70.2 | 743 | 4 | US-10-425-115-319142 | Sequence 319142, |
| 22 | 33 | 70.2 | 754 | 4 | US-10-369-493-9797 | Sequence 9797, Ap |
| 23 | 33 | 70.2 | 775 | 3 | US-09-934-455-450 | Sequence 450, App |
| 24 | 33 | 70.2 | 881 | 4 | US-10-369-493-22252 | Sequence 22252, A |
| 25 | 32 | 68.1 | 95 | 4 | US-10-767-701-33865 | Sequence 33865, A |
| 26 | 32 | 68.1 | 163 | 4 | US-10-424-599-231149 | Sequence 231149, |
| 27 | 32 | 68.1 | 169 | 4 | US-10-156-761-10091 | Sequence 10091, A |
| 28 | 32 | 68.1 | 241 | 4 | US-10-369-493-21114 | Sequence 21114, A |
| 29 | 32 | 68.1 | 282 | 4 | US-10-425-114-70396 | Sequence 70396, A |
| 30 | 32 | 68.1 | 382 | 5 | US-10-732-923-2476 | Sequence 2476, Ap |
| 31 | 32 | 68.1 | 518 | 4 | US-10-425-115-231624 | Sequence 231624, |
| 32 | 32 | 68.1 | 526 | 4 | US-10-425-114-54307 | Sequence 54307, A |
| 33 | 32 | 68.1 | 591 | 5 | US-10-755-087-18 | Sequence 18, Appl |
| 34 | 32 | 68.1 | 591 | 5 | US-10-832-946-18 | Sequence 18, Appl |
| 35 | 32 | 68.1 | 634 | 6 | US-11-097-143-41664 | Sequence 41664, A |
| 36 | 32 | 68.1 | 825 | 4 | US-10-156-761-14417 | Sequence 14417, A |
| 37 | 32 | 68.1 | 974 | 4 | US-10-437-963-127611 | Sequence 127611, |
| 38 | 32 | 68.1 | 1400 | 4 | US-10-840-060-133 | Sequence 133, App |
| 39 | 32 | 68.1 | 1400 | 6 | US-11-097-143-5457 | Sequence 5457, Ap |
| 40 | 31 | 66.0 | 51 | 4 | US-10-425-115-357360 | Sequence 357360, |
| 41 | 31 | 66.0 | 56 | 4 | US-10-424-599-180541 | Sequence 180541, |
| 42 | 31 | 66.0 | 92 | 4 | US-10-425-115-254904 | Sequence 254904, |
| 43 | 31 | 66.0 | 104 | 4 | US-10-437-963-195779 | Sequence 195779, |
| 44 | 31 | 66.0 | 106 | 4 | US-10-425-115-276659 | Sequence 276659, |
| 45 | 31 | 66.0 | 123 | 4 | US-10-425-115-232540 | Sequence 232540, |

ALIGNMENTS

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RESULT 1
US-10-006-177-5
; Sequence 5, Application US/10006177
; Publication No. US2003016513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-5

Query Match            100.0%;  Score 47;  DB 4;  Length 9;
Best Local Similarity  100.0%;  Pred. No. 1.7e+06;
Matches    9;  Conservative  0;  Mismatches  0;  Indels 0;  Gaps 0;

Qy  1 ALMEQQHYV 9
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Db  1 ALMEQQHYV 9

RESULT 2
US-09-984-130-67
; Sequence 67, Application US/09984130
; Publication No. US2003005231A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 12 Human Secreted Proteins
; FILE REFERENCE: PF489P2
; CURRENT APPLICATION NUMBER: US/09/984,130
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/243,792
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: 09/836,353
; PRIOR FILING DATE: 2001-04-18
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; PRIOR APPLICATION NUMBER: 60/198,407
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: PCT/US99/25031
; PRIOR FILING DATE: 1999-10-27
; PRIOR APPLICATION NUMBER: 60/105,971
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 149
; SOFTWARE: PatentIn Ver. 2.0
;
; SEQ ID NO 67
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-130-67

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Best Local Similarity  100.0%;   Pred. No. 2.5;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 ALMEQQHYV 9
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Db   662 ALMEQQHYV 670

RESULT 3
US-09-836-353A-67
; Sequence 67, Application US/09836353A
; Publication No. US20030129685A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 12 Human Secreted Proteins
; FILE REFERENCE: PF489P1
; CURRENT APPLICATION NUMBER: US/09/836,353A
; CURRENT FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/198,407
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: PCT/US99/25031
; PRIOR FILING DATE: 1999-10-27
; PRIOR APPLICATION NUMBER: 60/105,971
; PRIOR FILING DATE: 1998-10-28
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 67
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-836-353A-67

Query Match       100.0%;   Score 47;  DB 3;  Length 769;
Best Local Similarity  100.0%;   Pred. No. 2.5;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

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Db   662 ALMEQQHYV 670

RESULT 4
US-10-097-340-157
; Sequence 157, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.

; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 157
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-097-340-157

Query Match       100.0%;   Score 47;  DB 4;  Length 769;
Best Local Similarity  100.0%;   Pred. No. 2.5;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

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Db   662 ALMEQQHYV 670

RESULT 5
US-10-295-027-480
; Sequence 480, Application US/10295027
; Publication No. US20030233350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynne, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
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;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 480
;  LENGTH: 769
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-295-027-480

Query Match          100.0%;   Score 47; DB 4; Length 769;
Best Local Similarity 100.0%;  Pred. No. 2.5;
Matches    9; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

Qy      1 ALMEQQHYV 9
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Db    662 ALMEQQHYV 670

RESULT 6
US-10-295-027-825
; Sequence 825, Application US/10295027
; Publication No. US2003023350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT: Aziz, Natasha
;  APPLICANT: Ginsberg, Wendy M.
;  APPLICANT: Gish, Kurt C.
;  APPLICANT: Glynne, Richard
;  APPLICANT: Hevezi, Peter A.
;  APPLICANT: Mack, David H.
;  APPLICANT: Murray, Richard
;  APPLICANT: Watson, Susan R.
;  APPLICANT: Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE: 2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 825
;  LENGTH: 769
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-295-027-825

Query Match          100.0%;   Score 47; DB 4; Length 769;
Best Local Similarity 100.0%;  Pred. No. 2.5;
Matches    9; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

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Db    662 ALMEQQHYV 670

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; Sequence 845, Application US/10295027
; Publication No. US2003023350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT: Aziz, Natasha
;  APPLICANT: Ginsberg, Wendy M.
;  APPLICANT: Gish, Kurt C.
;  APPLICANT: Glynne, Richard
;  APPLICANT: Hevezi, Peter A.
;  APPLICANT: Mack, David H.
;  APPLICANT: Murray, Richard
;  APPLICANT: Watson, Susan R.
;  APPLICANT: Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE: 2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 845
;  LENGTH: 769
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-295-027-845

Query Match          100.0%;   Score 47; DB 4; Length 769;
Best Local Similarity 100.0%;  Pred. No. 2.5;
Matches    9; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

Qy      1 ALMEQQHYV 9
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Db    662 ALMEQQHYV 670

RESULT 8
US-10-173-999-56
; Sequence 56, Application US/10173999
; Publication No. US2004005563A1
; GENERAL INFORMATION:

; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Ovarian Cancer, Compositions
; TITLE OF INVENTION: and Methods of Screening for Modulators of Ovarian
; TITLE OF INVENTION: Cancer
; FILE REFERENCE: 018501-002420US
; CURRENT APPLICATION NUMBER: US/10/173,999
; CURRENT FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: US 60/299,234
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/315,287
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/372,246
; PRIOR FILING DATE: 2001-04-12
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-173-999-56

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Best Local Similarity  100.0%;  Pred. No. 2.5;
Matches     9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Db  662 ALMEQQHYV 670

RESULT 9
US-11-050-926-157
; Sequence 157, Application US/11050926
; Publication No. US20050214831A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/11/050,926
; CURRENT FILING DATE: 2005-02-04
; PRIOR APPLICATION NUMBER: US/10/097,340
; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/334,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102

; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 157
; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-050-926-157

Query Match      100.0%;  Score 47;  DB 6;  Length 769;
Best Local Similarity  100.0%;  Pred. No. 2.5;
Matches     9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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          |||||||||
Db  662 ALMEQQHYV 670

RESULT 10
US-10-424-599-275477
; Sequence 275477, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 275477
; LENGTH: 52
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_90777C.1.pep
US-10-424-599-275477

Query Match      76.6%;  Score 36;  DB 4;  Length 52;
Best Local Similarity  75.0%;  Pred. No. 20;
Matches     6;  Conservative  2;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    2 LMEQQHYV 9
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Db   14 LVEQQHYL 21

RESULT 11
US-10-425-115-321251
; Sequence 321251, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 321251
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure

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;    LOCATION: (1)..(154)
;    OTHER INFORMATION: unsure at all Xaa locations
;    FEATURE:
;    OTHER INFORMATION: Clone ID: MRT4577_56046C.1.pep          .
US-10-425-115-321251

Query Match             76.6%;  Score 36; DB 4; Length 154;
Best Local Similarity   77.8%;  Pred. No. 60;
Matches     7; Conservative   1; Mismatches   1; Indels   0; Gaps   0;

Qy          1 ALMEQQHYV 9
              ||:|||:|
Db        122 ALMQQQHQV 130

RESULT 12
US-10-425-115-323882
;    Sequence 323882, Application US/10425115
;    Publication No. US20040214272A1
;    GENERAL INFORMATION:
;    APPLICANT: La Rosa, Thomas J.
;    APPLICANT: Kovalic, David K.
;    APPLICANT: Zhou, Yihua
;    APPLICANT: Cao, Yongwei
;    TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;    TITLE OF INVENTION: Plants
;    FILE REFERENCE: 38-21(53222)B
;    CURRENT APPLICATION NUMBER: US/10/425,115
;    CURRENT FILING DATE: 2003-04-28
;    NUMBER OF SEQ ID NOS: 369326
;    SEQ ID NO 323882
;    LENGTH: 70;
;    TYPE: PRT
;    ORGANISM: Zea mays
;    FEATURE:
;    OTHER INFORMATION: Clone ID: MRT4577_5844C.1.pep
US-10-425-115-323882

Query Match             74.5%;  Score 35; DB 4; Length 70;
Best Local Similarity   62.5%;  Pred. No. 42;
Matches     5; Conservative   2; Mismatches   2; Indels   1; Gaps   0;

Qy          2 LMEQQHYV 9
              :| |||:|
Db         40 IMRQQHYI 47

RESULT 13
US-10-437-963-189508
;    Sequence 189508, Application US/10437963
;    Publication No. US20040123343A1
;    GENERAL INFORMATION:
;    APPLICANT: La Rosa, Thomas J.
;    APPLICANT: Kovalic, David K.
;    APPLICANT: Zhou, Yihua
;    APPLICANT: Cao, Yongwei
;    APPLICANT: Wu, Wei
;    APPLICANT: Boukharov, Andrey A.
;    APPLICANT: Barbazuk, Brad
;    APPLICANT: Li, Ping
;    TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
;    TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;    FILE REFERENCE: 38-21(53221)B
;    CURRENT APPLICATION NUMBER: US/10/437,963
;    CURRENT FILING DATE: 2003-05-14
;    NUMBER OF SEQ ID NOS: 204966
;    SEQ ID NO 189508
;    LENGTH: 207;
;    TYPE: PRT
;    ORGANISM: Oryza sativa
;    FEATURE:
;    OTHER INFORMATION: Clone ID: PAT_MRT4530_86010C.1.pep
US-10-437-963-189508
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Query Match             74.5%;  Score 35; DB 4; Length 207;
Best Local Similarity   85.7%;  Pred. No. 1.2e+02;
Matches     6; Conservative   1; Mismatches   0; Indels   0; Gaps   0;

Qy          2 LMEQQHY 8
              |:|||||
Db         31 LVEQQHY 37

RESULT 14
US-09-764-864-872
;    Sequence 872, Application US/09764864
;    Patent No. US2002013273S3A1
;    GENERAL INFORMATION:
;    APPLICANT: Rosen et al.
;    TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;    FILE REFERENCE: PTZ23
;    CURRENT APPLICATION NUMBER: US/09/764,864
;    CURRENT FILING DATE: 2001-01-17
;    Prior application data removed - consult PALM or file wrapper
;    NUMBER OF SEQ ID NOS: 1792
;    SOFTWARE: PatentIn Ver. 2.0
;    SEQ ID NO 872
;    LENGTH: 153
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-09-764-864-872

Query Match             72.3%;  Score 34; DB 3; Length 153;
Best Local Similarity   75.0%;  Pred. No. 1.4e+02;
Matches     6; Conservative   1; Mismatches   1; Indels   0; Gaps   0;

Qy          2 LMEQQHYV 9
              :| |||||
Db        113 VMAQQHYV 120

RESULT 15
US-10-408-765A-773
;    Sequence 773, Application US/10408765A
;    Publication No. US20040101874A1
;    GENERAL INFORMATION:
;    APPLICANT: Ghosh, Soumitra S.
;    APPLICANT: Fahy, Eoin D.
;    APPLICANT: Zhang, Bing
;    APPLICANT: Gibson, Bradford W.
;    APPLICANT: Taylor, Steven W.
;    APPLICANT: Glenn, Gary M.
;    APPLICANT: Warnock, Dale E.
;    TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
;    TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
;    FILE REFERENCE: 660088.465
;    CURRENT APPLICATION NUMBER: US/10/408,765A
;    CURRENT FILING DATE: 2003-04-04
;    NUMBER OF SEQ ID NOS: 3077
;    SOFTWARE: FastSEQ for Windows Version 4.0
;    SEQ ID NO 773
;    LENGTH: 294;
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-10-408-765A-773

Query Match             72.3%;  Score 34; DB 4; Length 294;
Best Local Similarity   75.0%;  Pred. No. 2.7e+02;
Matches     6; Conservative   1; Mismatches   1; Indels   0; Gaps   0;

Qy          2 LMEQQHYV 9
              :| |||||
Db        198 VMAQQHYV 205

Search completed: February 7, 2006, 13:47:30
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us-10-006-177a-5.rapbm

Job time : 65.9191 secs

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                GenCore version 5.1.7
        Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:    February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
                                        (without alignments)
                                        24.478 Million cell updates/sec

Title:          US-10-006-177A-5
Perfect score:  47
Sequence:       1 ALMEQQHYV 9
Scoring table:  BLOSUM62
Gapop 10.0 , Gapext 0.5
Searched:       88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:    88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Published Applications AA New:*
    1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
    2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
    3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
    4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
    5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
    6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
    7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
    8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | %Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 32 | 68.1 | 365 | 6 | US-10-467-657-3846 | Sequence 3846, Ap |
| 2 | 30 | 63.8 | 369 | 6 | US-10-714-887-170 | Sequence 170, App |
| 3 | 30 | 63.8 | 445 | 6 | US-10-063-703-32 | Sequence 32, Appl |
| 4 | 30 | 63.8 | 445 | 7 | US-11-102-240-32 | Sequence 32, Appl |
| 5 | 30 | 63.8 | 448 | 6 | US-10-467-657-4416 | Sequence 4416, Ap |
| 6 | 29 | 61.7 | 169 | 6 | US-10-821-234-1380 | Sequence 1380, Ap |
| 7 | 29 | 61.7 | 256 | 6 | US-10-821-234-1400 | Sequence 1400, Ap |
| 8 | 29 | 61.7 | 919 | 6 | US-10-821-234-951 | Sequence 951, App |
| 9 | 29 | 61.7 | 941 | 6 | US-10-131-826A-464 | Sequence 464, App |
| 10 | 29 | 61.7 | 941 | 7 | US-11-124-368A-191 | Sequence 191, App |
| 11 | 29 | 61.7 | 941 | 7 | US-11-124-368A-193 | Sequence 193, App |
| 12 | 29 | 61.7 | 948 | 7 | US-11-124-368A-192 | Sequence 192, App |
| 13 | 29 | 61.7 | 1133 | 6 | US-10-821-234-1219 | Sequence 1219, Ap |
| 14 | 29 | 61.7 | 3361 | 6 | US-10-453-372-1082 | Sequence 1082, Ap |
| 15 | 28 | 59.6 | 174 | 6 | US-10-467-657-7424 | Sequence 7424, Ap |
| 16 | 28 | 59.6 | 276 | 6 | US-10-467-657-2200 | Sequence 2200, Ap |
| 17 | 28 | 59.6 | 396 | 7 | US-11-074-176-346 | Sequence 346, App |
| 18 | 28 | 59.6 | 405 | 7 | US-11-074-176-164 | Sequence 164, App |
| 19 | 28 | 59.6 | 451 | 6 | US-10-714-887-182 | Sequence 182, App |
| 20 | 28 | 59.6 | 522 | 6 | US-10-995-561-1030 | Sequence 1030, Ap |
| 21 | 28 | 59.6 | 652 | 6 | US-10-453-372-722 | Sequence 722, App |
| 22 | 28 | 59.6 | 652 | 6 | US-10-453-372-724 | Sequence 724, App |
| 23 | 28 | 59.6 | 662 | 7 | US-11-137-131-2 | Sequence 2, Appli |
| 24 | 28 | 59.6 | 662 | 7 | US-11-137-131-4 | Sequence 4, Appli |
| 25 | 28 | 59.6 | 670 | 6 | US-10-453-372-670 | Sequence 670, App |
| 26 | 28 | 59.6 | 670 | 6 | US-10-453-372-682 | Sequence 682, App |
| 27 | 28 | 59.6 | 670 | 6 | US-10-453-372-710 | Sequence 710, App |
| 28 | 28 | 59.6 | 686 | 6 | US-10-453-372-680 | Sequence 680, App |
| 29 | 28 | 59.6 | 748 | 6 | US-10-467-657-8036 | Sequence 8036, Ap |
| 30 | 28 | 59.6 | 961 | 6 | US-10-453-372-726 | Sequence 726, App |
| 31 | 28 | 59.6 | 961 | 6 | US-10-453-372-728 | Sequence 728, App |
| 32 | 28 | 59.6 | 967 | 6 | US-10-453-372-712 | Sequence 712, App |
| 33 | 28 | 59.6 | 967 | 6 | US-10-453-372-714 | Sequence 714, App |
| 34 | 28 | 59.6 | 2591 | 6 | US-10-453-372-718 | Sequence 718, App |
| 35 | 28 | 59.6 | 2602 | 6 | US-10-453-372-716 | Sequence 716, App |
| 36 | 28 | 59.6 | 2617 | 6 | US-10-453-372-666 | Sequence 666, App |
| 37 | 28 | 59.6 | 2617 | 6 | US-10-453-372-732 | Sequence 732, App |
| 38 | 28 | 59.6 | 2617 | 6 | US-10-453-372-734 | Sequence 734, App |
| 39 | 28 | 59.6 | 2617 | 6 | US-10-453-372-736 | Sequence 736, App |
| 40 | 28 | 59.6 | 2617 | 6 | US-10-453-372-738 | Sequence 738, App |
| 41 | 28 | 59.6 | 2617 | 6 | US-10-453-372-740 | Sequence 740, App |
| 42 | 28 | 59.6 | 2617 | 6 | US-10-453-372-742 | Sequence 742, App |
| 43 | 28 | 59.6 | 2617 | 6 | US-10-453-372-744 | Sequence 744, App |
| 44 | 28 | 59.6 | 2617 | 6 | US-10-453-372-746 | Sequence 746, App |
| 45 | 28 | 59.6 | 2617 | 6 | US-10-453-372-748 | Sequence 748, App |

ALIGNMENTS

```
RESULT 1
US-10-467-657-3846
; Sequence 3846, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3846
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3846

Query Match     68.1%;  Score 32; DB 6; Length 365;
Best Local Similarity   50.0%;  Pred. No. 20;
Matches    4;  Conservative 3;  Mismatches 3; Indels 1; Gaps 0;

Qy       2 LMEQQHYV 9
           ::|||:|:
Db      52 MLEQNHYI 59

RESULT 2
US-10-714-887-170
; Sequence 170, Application US/10714887
; Publication No. US20060015972A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: HEARD, Jacqueline
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: CREELMAN, Robert
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: CANALES, Roger
; APPLICANT: REPETTI, Peter
; APPLICANT: KUMIMOTO, Roderick W
; APPLICANT: GUTTERSON, Neal
; APPLICANT: REUBER, T. Lynne
```

Wed Feb 8 14:48:29 2006

us-10-006-177a-5.rapbn                                                          Page 2

; , APPLICANT: PINEDA, Omaira
; , APPLICANT: SHERMAN, Bradley K
; , TITLE OF INVENTION: PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS
; , FILE REFERENCE: MBI0058-CIP
; , CURRENT APPLICATION NUMBER: US/10/714,887
; , CURRENT FILING DATE: 2003-11-13
; , PRIOR APPLICATION NUMBER: 10/412,699
; , PRIOR FILING DATE: 2003-04-10
; , PRIOR APPLICATION NUMBER: 09/506,720
; , PRIOR FILING DATE: 2000-02-17
; , PRIOR APPLICATION NUMBER: 60/135,134
; , PRIOR FILING DATE: 1999-05-20
; , PRIOR APPLICATION NUMBER: 09/394,519
; , PRIOR FILING DATE: 1999-09-13
; , PRIOR APPLICATION NUMBER: 09/533,392
; , PRIOR FILING DATE: 2000-03-22
; , PRIOR APPLICATION NUMBER: 09/533,029
; , PRIOR FILING DATE: 2000-03-22
; , PRIOR APPLICATION NUMBER: 09/532,591
; , PRIOR FILING DATE: 2000-03-22
; , PRIOR APPLICATION NUMBER: 09/533,030
; , PRIOR FILING DATE: 2000-03-22
; , PRIOR APPLICATION NUMBER: 60/125,814
; , PRIOR FILING DATE: 1999-03-23
; , PRIOR APPLICATION NUMBER: 09/713,994
; , PRIOR FILING DATE: 2000-11-16
; , Remaining Prior Application data removed - See File Wrapper or PALM.
; , NUMBER OF SEQ ID NOS: 430
; , SOFTWARE: PatentIn version 3.2
; ,
; , SEQ ID NO 170
; , LENGTH: 369
; , TYPE: PRT
; , ORGANISM: Oryza sativa (japonica cultivar-group)
; , FEATURE:
; , OTHER INFORMATION: G3741 polypeptide Orthologous to G3086
US-10-714-887-170

Query Match             63.8%;  Score 30;  DB 6;  Length 369;
Best Local Similarity    83.3%;  Pred. No. 52;
Matches    5;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy           3 MEQQHY 8
                 | |||
Db          64 MRQQHY 69

RESULT 3
US-10-063-703-32
; Sequence 32, Application US/10063703
; Publication No. US20060008901A1
; GENERAL INFORMATION:
; APPLICANT: Eaton,Dan L.
; APPLICANT: Filvaroff,Ellen
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,Christopher J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION:  ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,703
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 32
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-703-32

Query Match             63.8%;  Score 30;  DB 6;  Length 445;
Best Local Similarity    85.7%;  Pred. No. 64;
Matches    6;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy           1 ALMEQQH 7
                 || ||||
Db         253 ALKEQQH 259

RESULT 4
US-11-102-240-32
; Sequence 32, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,Christopher J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Wood,William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS.
; TITLE OF INVENTION: ESOPHAGEAL TUMOR
; FILE REFERENCE: P3230R1C106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 32
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-32

Query Match             63.8%;  Score 30;  DB 7;  Length 445;
Best Local Similarity    85.7%;  Pred. No. 64;
Matches    6;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy           1 ALMEQQH 7
                 || ||||
Db         253 ALKEQQH 259

RESULT 5
US-10-467-657-4416
; Sequence 4416, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 4416
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4416

Query Match             63.8%;  Score 30;  DB 6;  Length 448;

Best Local Similarity 62.5%;   Pred. No. 64;
Matches 5;   Conservative 2;   Mismatches 1;   Indels 0;   Gaps 0;

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Qy     2 LMEQQHYV 9
           |:||||:
Db   359 LLEQQHSI 366
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RESULT 6
US-10-821-234-1380
; Sequence 1380, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
;   APPLICANT: Labat, Ivan
;   APPLICANT: Stache-Crain, Birgit
;   APPLICANT: Andarmani, Susan
;   APPLICANT: Tang, Y. Tom
;   TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;   FILE REFERENCE: 821A
;   CURRENT APPLICATION NUMBER: US/10/821,234
;   CURRENT FILING DATE: 2004-04-07
;   PRIOR APPLICATION NUMBER: US 60/462,047
;   PRIOR FILING DATE: 2003-04-07
;   NUMBER OF SEQ ID NOS: 1704
;   SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1380
;   LENGTH: 169
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-821-234-1380

Query Match 61.7%;   Score 29;   DB 6;   Length 169;
Best Local Similarity 62.5%;   Pred. No. 36;
Matches 5;   Conservative 2;   Mismatches 1;   Indels 0;   Gaps 0;

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Qy     2 LMEQQHYV 9
           | |:|:|||
Db   118 IMWQKHYV 125
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RESULT 7
US-10-821-234-1400
; Sequence 1400, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
;   APPLICANT: Labat, Ivan
;   APPLICANT: Stache-Crain, Birgit
;   APPLICANT: Andarmani, Susan
;   APPLICANT: Tang, Y. Tom
;   TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;   FILE REFERENCE: 821A
;   CURRENT APPLICATION NUMBER: US/10/821,234
;   CURRENT FILING DATE: 2004-04-07
;   PRIOR APPLICATION NUMBER: US 60/462,047
;   PRIOR FILING DATE: 2003-04-07
;   NUMBER OF SEQ ID NOS: 1704
;   SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1400
;   LENGTH: 256
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-821-234-1400

Query Match 61.7%;   Score 29;   DB 6;   Length 256;
Best Local Similarity 44.4%;   Pred. No. 56;
Matches 4;   Conservative 5;   Mismatches 5;   Indels 0;   Gaps 0;

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Qy     1 ALMEQQHYV 9
           |::::||:|
Db   158 ALVQKRHYL 166
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RESULT 8

US-10-821-234-951
; Sequence 951, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
;   APPLICANT: Labat, Ivan
;   APPLICANT: Stache-Crain, Birgit
;   APPLICANT: Andarmani, Susan
;   APPLICANT: Tang, Y. Tom
;   TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;   FILE REFERENCE: 821A
;   CURRENT APPLICATION NUMBER: US/10/821,234
;   CURRENT FILING DATE: 2004-04-07
;   PRIOR APPLICATION NUMBER: US 60/462,047
;   PRIOR FILING DATE: 2003-04-07
;   NUMBER OF SEQ ID NOS: 1704
;   SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 951
;   LENGTH: 919
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-821-234-951

Query Match 61.7%;   Score 29;   DB 6;   Length 919;
Best Local Similarity 83.3%;   Pred. No. 2.2e+02;
Matches 5;   Conservative 1;   Mismatches 0;   Indels 0;   Gaps 0;

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Qy     2 LMEQQH 7
           |:||||
Db   714 LLEQQH 719
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RESULT 9
US-10-131-826A-464
; Sequence 464, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
;   APPLICANT: Baker, Kevin P.
;   APPLICANT: Beresini, Maureen
;   APPLICANT: DeForge, Laura
;   APPLICANT: Desnoyers, Luc
;   APPLICANT: Filvaroff, Ellen
;   APPLICANT: Gao, Wei-Qiang
;   APPLICANT: Gerritsen, Mary E.
;   APPLICANT: Goddard, Audrey
;   APPLICANT: Godowski, Paul J.
;   APPLICANT: Gurney, Austin L.
;   APPLICANT: Sherwood, Steven
;   APPLICANT: Smith, Victoria
;   APPLICANT: Stewart, Timothy A.
;   APPLICANT: Tumas, Daniel
;   APPLICANT: Watanabe, Colin K
;   APPLICANT: Wood, William
;   APPLICANT: Zhang, Zemin
;   TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;   TITLE OF INVENTION: ACIDS ENCODING THE SAME
;   FILE REFERENCE: P3330R1C128
;   CURRENT APPLICATION NUMBER: US/10/131,826A
;   CURRENT FILING DATE: 2002-04-24
;   PRIOR APPLICATION NUMBER: 60/049911
;   PRIOR FILING DATE: 1997-06-18
;   PRIOR APPLICATION NUMBER: 60/056974
;   PRIOR FILING DATE: 1997-08-26
;   PRIOR APPLICATION NUMBER: 60/059113
;   PRIOR FILING DATE: 1997-09-17
;   PRIOR APPLICATION NUMBER: 60/059115
;   PRIOR FILING DATE: 1997-09-17
;   PRIOR APPLICATION NUMBER: 60/059117
;   PRIOR FILING DATE: 1997-09-17
;   PRIOR APPLICATION NUMBER: 60/059122
;   PRIOR FILING DATE: 1997-09-17
;   PRIOR APPLICATION NUMBER: 60/059184
;   PRIOR FILING DATE: 1997-09-17
;   PRIOR APPLICATION NUMBER: 60/059263

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;   PRIOR FILING DATE: 1997-09-18
;   PRIOR APPLICATION NUMBER: 60/059352
;   PRIOR FILING DATE: 1997-09-19
;   PRIOR APPLICATION NUMBER: 60/059588
;   PRIOR FILING DATE: 1997-09-19
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 550
;   SEQ ID NO 464
;   LENGTH: 941
;   TYPE: PRT
;   ORGANISM: Homo Sapien
US-10-131-B26A-464

Query Match             61.7%;  Score 29;  DB 6;  Length 941;
Best Local Similarity   57.1%;  Pred. No. 2.3e+02;
Matches    4;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        3 MEQQHYV 9
            |:|:||:
Db      544 MKQEHYM 550


RESULT 10
US-11-124-368A-191
;   Sequence 191, Application US/1112436BA
;   Publication No. US20050287559A1
;   GENERAL INFORMATION:
;   APPLICANT: Michele Cargill
;   APPLICANT:  James J. Devlin
;   APPLICANT:  May Luke
;   TITLE OF INVENTION: Genetic Polymorphisms Associated with
;   TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
;   FILE REFERENCE: CL001524
;   CURRENT APPLICATION NUMBER: US/11/124,368A
;   CURRENT FILING DATE: 2005-05-09
;   PRIOR APPLICATION NUMBER: US 60/568,845
;   PRIOR FILING DATE: 2004-05-07
;   PRIOR APPLICATION NUMBER: US 60/625,936
;   PRIOR FILING DATE: 2004-11-09
;   NUMBER OF SEQ ID NOS: 21112
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 191
;   LENGTH: 941
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-124-368A-191

Query Match             61.7%;  Score 29;  DB 7;  Length 941;
Best Local Similarity   57.1%;  Pred. No. 2.3e+02;
Matches    4;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        3 MEQQHYV 9
            |:|:||:
Db      544 MKQEHYM 550


RESULT 11
US-11-124-368A-193
;   Sequence 193, Application US/1112436BA
;   Publication No. US20050287559A1
;   GENERAL INFORMATION:
;   APPLICANT: Michele Cargill
;   APPLICANT:  James J. Devlin
;   APPLICANT:  May Luke
;   TITLE OF INVENTION: Genetic Polymorphisms Associated with
;   TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
;   FILE REFERENCE: CL001524
;   CURRENT APPLICATION NUMBER: US/11/124,368A
;   CURRENT FILING DATE: 2005-05-09
;   PRIOR APPLICATION NUMBER: US 60/568,845
;   PRIOR FILING DATE: 2004-05-07
;   PRIOR APPLICATION NUMBER: US 60/625,936
;   PRIOR FILING DATE: 2004-11-09
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;   NUMBER OF SEQ ID NOS: 21112
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 193
;   LENGTH: 941
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-124-368A-193

Query Match             61.7%;  Score 29;  DB 7;  Length 941;
Best Local Similarity   57.1%;  Pred. No. 2.3e+02;
Matches    4;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        3 MEQQHYV 9
            |:|:||:
Db      544 MKQEHYM 550


RESULT 12
US-11-124-368A-192
;   Sequence 192, Application US/1112436BA
;   Publication No. US20050287559A1
;   GENERAL INFORMATION:
;   APPLICANT: Michele Cargill
;   APPLICANT:  James J. Devlin
;   APPLICANT:  May Luke
;   TITLE OF INVENTION: Genetic Polymorphisms Associated with
;   TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
;   FILE REFERENCE: CL001524
;   CURRENT APPLICATION NUMBER: US/11/124,368A
;   CURRENT FILING DATE: 2005-05-09
;   PRIOR APPLICATION NUMBER: US 60/568,845
;   PRIOR FILING DATE: 2004-05-07
;   PRIOR APPLICATION NUMBER: US 60/625,936
;   PRIOR FILING DATE: 2004-11-09
;   NUMBER OF SEQ ID NOS: 21112
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 192
;   LENGTH: 948
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-124-368A-192

Query Match             61.7%;  Score 29;  DB 7;  Length 948;
Best Local Similarity   57.1%;  Pred. No. 2.3e+02;
Matches    4;  Conservative   3;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        3 MEQQHYV 9
            |:|:||:
Db      544 MKQEHYM 550


RESULT 13
US-10-821-234-1219
;   Sequence 1219, Application US/10821234
;   Publication No. US20050255114A1
;   GENERAL INFORMATION:
;   APPLICANT: Labat, Ivan
;   APPLICANT:  Stache-Crain, Birgit
;   APPLICANT:  Andarmani, Susan
;   APPLICANT:  Tang, Y., Tom
;   TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
;   FILE REFERENCE: 821A
;   CURRENT APPLICATION NUMBER: US/10/821,234
;   CURRENT FILING DATE: 2004-04-07
;   PRIOR APPLICATION NUMBER: US 60/462,047
;   PRIOR FILING DATE: 2003-04-07
;   NUMBER OF SEQ ID NOS: 1704
;   SOFTWARE: pt_SEQ_genes Version 1.0
;   SEQ ID NO 1219
;   LENGTH: 1133
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-821-234-1219
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Query Match 61.7%; Score 29; DB 6; Length 1133;
Best Local Similarity 83.3%; Pred. No. 2.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LMEQQH 7
|||:|
Db 918 LMEQEH 923

RESULT 14
US-10-453-372-1082
; Sequence 1082, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 1082
; LENGTH: 3361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-1082

Query Match 61.7%; Score 29; DB 6; Length 3361;
Best Local Similarity 71.4%; Pred. No. 9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 2; Gaps 0;

Qy 2 LMEQQHY 8
| |||
Db 366 LFSQQHY 372

RESULT 15
US-10-467-657-7424
; Sequence 7424, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8

; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 7424
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7424

Query Match 59.6%; Score 28; DB 6; Length 174;
Best Local Similarity 42.9%; Pred. No. 59;
Matches 3; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 3 MEQQHYV 9
:|:||:|
Db 64 LEREHYI 70

Search completed: February 7, 2006, 13:48:19
Job time : 5.40851 secs

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                         GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on:     February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
                                    (without alignments)
                            36.315 Million cell updates/sec

Title:            US-10-006-177A-6
Perfect score:    46
Sequence:         1 YLMDTSGKV 9

Scoring table:    BLOSUM62
                  Gapop 10.0 , Gapext 0.5

Searched:         572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:        572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :     Issued Patents AA:*
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               2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
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               5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep.*
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     Pred. No. is the number of results predicted by chance to have a
     score greater than or equal to the score of the result being printed,
     and is derived by analysis of the total score distribution.

                                SUMMARIES

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| 1 | 46 | 100.0 | 229 | 2 | US-09-631-616-13 | Sequence 13, Appl |
| 2 | 46 | 100.0 | 616 | 2 | US-09-393-529-2 | Sequence 2, Appli |
| 3 | 46 | 100.0 | 616 | 2 | US-09-396-149-7 | Sequence 7, Appli |
| 4 | 37 | 80.4 | 229 | 2 | US-09-631-616-14 | Sequence 14, Appl |
| 5 | 37 | 80.4 | 609 | 2 | US-09-396-149-6 | Sequence 6, Appli |
| 6 | 37 | 80.4 | 915 | 2 | US-09-252-991A-22344 | Sequence 22344, A |
| 7 | 36 | 78.3 | 349 | 2 | US-09-688-188B-16 | Sequence 16, Appl |
| 8 | 36 | 78.3 | 349 | 2 | US-09-291-417D-16 | Sequence 16, Appl |
| 9 | 36 | 78.3 | 1227 | 2 | US-09-688-188B-105 | Sequence 105, App |
| 10 | 36 | 78.3 | 1227 | 2 | US-09-291-417D-105 | Sequence 105, App |
| 11 | 35 | 76.1 | 254 | 2 | US-09-328-352-7651 | Sequence 7651, Ap |
| 12 | 34 | 73.9 | 301 | 2 | US-09-949-016-6865 | Sequence 6865, Ap |
| 13 | 34 | 73.9 | 333 | 2 | US-09-949-016-9952 | Sequence 9952, Ap |
| 14 | 34 | 73.9 | 1876 | 2 | US-08-609-049A-12 | Sequence 12, Appl |
| 15 | 34 | 73.9 | 1876 | 1 | US-08-609-049A-28 | Sequence 28, Appl |
| 16 | 34 | 73.9 | 1876 | 2 | US-09-170-996-12 | Sequence 12, Appl |
| 17 | 34 | 73.9 | 1876 | 2 | US-09-170-996-28 | Sequence 28, Appl |
| 18 | 33 | 71.7 | 185 | 2 | US-09-583-110-5222 | Sequence 5222, Ap |
| 19 | 33 | 71.7 | 194 | 2 | US-09-107-433-5104 | Sequence 5104, Ap |
| 20 | 33 | 71.7 | 529 | 2 | US-09-433-248A-6 | Sequence 6, Appli |
| 21 | 32 | 69.6 | 207 | 2 | US-09-248-796A-17685 | Sequence 17685, A |
| 22 | 32 | 69.6 | 288 | 2 | US-09-902-540-12765 | Sequence 12765, A |
| 23 | 32 | 69.6 | 694 | 2 | US-09-252-991A-22481 | Sequence 22481, A |
| 24 | 31 | 67.4 | 29 | 2 | US-09-205-658-182 | Sequence 182, App |
| 25 | 31 | 67.4 | 82 | 1 | US-08-370-225-19 | Sequence 19, Appl |
| 26 | 31 | 67.4 | 82 | 1 | US-08-461-859-19 | Sequence 19, Appl |
| 27 | 31 | 67.4 | 82 | 4 | PCT-US93-10069-19 | Sequence 19, Appl |
| 28 | 31 | 67.4 | 92 | 2 | US-08-943-667-30 | Sequence 30, Appl |
| 29 | 31 | 67.4 | 97 | 2 | US-09-583-110-3949 | Sequence 3949, Ap |
| 30 | 31 | 67.4 | 97 | 2 | US-09-107-433-4804 | Sequence 4804, Ap |
| 31 | 31 | 67.4 | 104 | 2 | US-09-205-658-202 | Sequence 202, App |
| 32 | 31 | 67.4 | 121 | 2 | US-09-134-000C-4262 | Sequence 4262, Ap |
| 33 | 31 | 67.4 | 153 | 2 | US-09-287-070-2 | Sequence 2, Appli |
| 34 | 31 | 67.4 | 162 | 2 | US-09-538-092-55 | Sequence 55, Appl |
| 35 | 31 | 67.4 | 168 | 1 | US-09-252-991A-18629 | Sequence 18629, A |
| 36 | 31 | 67.4 | 182 | 1 | US-08-721-925A-3 | Sequence 3, Appli |
| 37 | 31 | 67.4 | 335 | 2 | US-09-902-540-15208 | Sequence 15208, A |
| 38 | 31 | 67.4 | 452 | 2 | US-09-463-712C-8 | Sequence 8, Appli |
| 39 | 31 | 67.4 | 452 | 2 | US-09-865-415-6 | Sequence 6, Appli |
| 40 | 31 | 67.4 | 490 | 1 | US-08-294-770A-2 | Sequence 2, Appli |
| 41 | 31 | 67.4 | 491 | 2 | US-08-448-735C-2 | Sequence 2, Appli |
| 42 | 31 | 67.4 | 491 | 2 | US-09-958-561A-1 | Sequence 1, Appli |
| 43 | 31 | 67.4 | 556 | 1 | US-09-016-000-4 | Sequence 4, Appli |
| 44 | 31 | 67.4 | 556 | 2 | US-09-155-793D-2 | Sequence 2, Appli |
| 45 | 31 | 67.4 | 556 | 2 | US-08-943-667-1 | Sequence 1, Appli |
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                                ALIGNMENTS

RESULT 1
US-09-631-616-13

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; Sequence 13, Application US/0961616
; Patent No. 6852832
; GENERAL INFORMATION:
;   APPLICANT: Kowalczykowski, Stephen C.
;   APPLICANT: Chedin, Frederic
;   APPLICANT: Seitz, Erica M.
;   TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
;   TITLE OF INVENTION: Uses Therefor
;   FILE REFERENCE: 02307O-097910US
;   CURRENT APPLICATION NUMBER: US/09/631,616
;   CURRENT FILING DATE: 2001-10-12
;   PRIOR APPLICATION NUMBER: US 60/147,680
;   PRIOR FILING DATE: 1999-08-06
;   NUMBER OF SEQ ID NOS: 31
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: RPA70 198-427
US-09-631-616-13

Query Match             100.0%;  Score 46;  DB 2;  Length 229;
Best Local Similarity   100.0%;  Pred. No. 0.13;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 YLMDTSGKV 9
              |||||||||
Db        149 YLMDTSGKV 157

RESULT 2
US-09-393-529-2

; Sequence 2, Application US/09393529
; Patent No. 6309882
; GENERAL INFORMATION:
;   APPLICANT: Monia, Brett P
;   TITLE OF INVENTION: Antisense Modulation of Replication
;   TITLE OF INVENTION: Protein A p70 Subunit
;   FILE REFERENCE: ISPH-0383
;   CURRENT APPLICATION NUMBER: US/09/393,529
;   CURRENT FILING DATE: 1999-09-10
;   NUMBER OF SEQ ID NOS: 18
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 616
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;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-09-393-529-2

Query Match      100.0%;  Score 46;  DB 2;  Length 616;
Best Local Similarity  100.0%;  Pred. No. 0.38;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1 YLMDTSGKV 9
       |||||||||
Db 347 YLMDTSGKV 355

RESULT 3
US-09-396-149-7
;  Sequence 7, Application US/09396149
;  Patent No. 6538176
;  GENERAL INFORMATION:
;  APPLICANT: Mahajan, Pramod B.
;  TITLE OF INVENTION: Maize Replication Protein A and Use
;  FILE REFERENCE: 5718-59
;  CURRENT APPLICATION NUMBER: US/09/396,149
;  CURRENT FILING DATE: 1999-09-15
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 3.0
;  SEQ ID NO 7
;  LENGTH: 616
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-09-396-149-7

Query Match      100.0%;  Score 46;  DB 2;  Length 616;
Best Local Similarity  100.0%;  Pred. No. 0.38;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1 YLMDTSGKV 9
       |||||||||
Db 347 YLMDTSGKV 355

RESULT 4
US-09-631-616-14
;  Sequence 14, Application US/09631616
;  Patent No. 6852832
;  GENERAL INFORMATION:
;  APPLICANT: Kowalczykowski, Stephen C.
;  APPLICANT: Chedin, Frederic
;  APPLICANT: Seitz, Erica M.
;  APPLICANT: The Regents of the University of California
;  TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
;  TITLE OF INVENTION: Uses Therefor
;  FILE REFERENCE: 02307O-097910US
;  CURRENT APPLICATION NUMBER: US/09/631,616
;  CURRENT FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: US 60/147,680
;  PRIOR FILING DATE: 1999-08-06
;  NUMBER OF SEQ ID NOS: 31
;  SOFTWARE: PatentIn Ver. 2.1
;  SEQ ID NO 14
;  LENGTH: 229
;  TYPE: PRT
;  ORGANISM: Xenopus laevis
;  FEATURE:
;  OTHER INFORMATION: RPA70 190-418
US-09-631-616-14

Query Match      80.4%;  Score 37;  DB 2;  Length 229;
Best Local Similarity  77.8%;  Pred. No. 9.2;
Matches    7;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy   1 YLMDTSGKV 9
       :|||:||:|||
Db 149 HLMDSSGKV 157
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RESULT 5
US-09-396-149-6
;  Sequence 6, Application US/09396149
;  Patent No. 6538176
;  GENERAL INFORMATION:
;  APPLICANT: Mahajan, Pramod B.
;  TITLE OF INVENTION: Maize Replication Protein A and Use
;  FILE REFERENCE: 5718-59
;  CURRENT APPLICATION NUMBER: US/09/396,149
;  CURRENT FILING DATE: 1999-09-15
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 3.0
;  SEQ ID NO 6
;  LENGTH: 609
;  TYPE: PRT
;  ORGANISM: Xenopus laevis
US-09-396-149-6

Query Match      80.4%;  Score 37;  DB 2;  Length 609;
Best Local Similarity  77.8%;  Pred. No. 26;
Matches    7;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy   1 YLMDTSGKV 9
       :|||:||:|||
Db 338 HLMDSSGKV 346

RESULT 6
US-09-252-991A-22344
;  Sequence 22344, Application US/09252991A
;  Patent No. 6551795
;  GENERAL INFORMATION:
;  APPLICANT: Marc J.  Rubenfield et al.
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;  TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: 107196.136
;  CURRENT APPLICATION NUMBER: US/09/252,991A
;  CURRENT FILING DATE: 1999-02-18
;  PRIOR APPLICATION NUMBER: US 60/074,788
;  PRIOR FILING DATE: 1998-02-18
;  PRIOR APPLICATION NUMBER: US 60/094,190
;  PRIOR FILING DATE: 1998-07-27
;  NUMBER OF SEQ ID NOS: 33142
;  SEQ ID NO 22344
;  LENGTH: 915
;  TYPE: PRT
;  ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22344

Query Match      80.4%;  Score 37;  DB 2;  Length 915;
Best Local Similarity  66.7%;  Pred. No. 41;
Matches    6;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy   1 YLMDTSGKV 9
       :|||:||:|:|
Db 402 YLLDTNGRV 410

RESULT 7
US-09-688-188B-16
;  Sequence 16, Application US/09688188B
;  Patent No. 6656716
;  GENERAL INFORMATION:
;  APPLICANT: PLOWMAN, GREGORY
;  APPLICANT: MARTINEZ, RICARDO
;  APPLICANT: WHYTE, DAVID
;  TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
;  FILE REFERENCE: 038602/0328
;  CURRENT APPLICATION NUMBER: US/09/688,188B
;  CURRENT FILING DATE: 2000-10-16
;  PRIOR APPLICATION NUMBER: 09/291,417
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;   PRIOR FILING DATE: 1999-04-14
;   PRIOR APPLICATION NUMBER: 60/081,784
;   PRIOR FILING DATE: 1998-04-14
;   NUMBER OF SEQ ID NOS: 155
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 16
;   LENGTH: 349
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-688-188B-16

Query Match             78.3%;  Score 36;  DB 2;  Length 349;
Best Local Similarity   87.5%;  Pred. No. 23;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps     0;

Qy    1 YLMDTSGK 8
          |||| |||
Db   46 YLMDRSGK 53

RESULT 8
US-09-291-417D-16
;  Sequence 16, Application US/09291417D
;  Patent No. 6680170
;  GENERAL INFORMATION:
;   APPLICANT: PLOWMAN, GREGORY
;   APPLICANT: MARTINEZ, RICARDO
;   APPLICANT: WHYTE, DAVID
;   TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
;   FILE REFERENCE: 038602/0329
;   CURRENT APPLICATION NUMBER: US/09/291,417D
;   CURRENT FILING DATE: 1999-04-13
;   PRIOR APPLICATION NUMBER: 60/081,784
;   PRIOR FILING DATE: 1998-04-14
;   NUMBER OF SEQ ID NOS: 155
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 16
;   LENGTH: 349
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-291-417D-16

Query Match             78.3%;  Score 36;  DB 2;  Length 349;
Best Local Similarity   87.5%;  Pred. No. 23;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps     0;

Qy    1 YLMDTSGK 8
          |||| |||
Db   46 YLMDRSGK 53

RESULT 9
US-09-688-188B-105
;  Sequence 105, Application US/09688188B
;  Patent No. 6656716
;  GENERAL INFORMATION:
;   APPLICANT: PLOWMAN, GREGORY
;   APPLICANT: MARTINEZ, RICARDO
;   APPLICANT: WHYTE, DAVID
;   TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
;   FILE REFERENCE: 038602/0328
;   CURRENT APPLICATION NUMBER: US/09/688,188B
;   CURRENT FILING DATE: 2000-10-16
;   PRIOR APPLICATION NUMBER: 09/291,417
;   PRIOR FILING DATE: 1999-04-14
;   PRIOR APPLICATION NUMBER: 60/081,784
;   PRIOR FILING DATE: 1998-04-14
;   NUMBER OF SEQ ID NOS: 155
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 105
;   LENGTH: 1227
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-688-188B-105

Query Match             78.3%;  Score 36;  DB 2;  Length 1227;
Best Local Similarity   87.5%;  Pred. No. 89;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps     0;

Qy    1 YLMDTSGK 8
          |||| |||
Db  924 YLMDRSGK 931

RESULT 10
US-09-291-417D-105
;  Sequence 105, Application US/09291417D
;  Patent No. 6680170
;  GENERAL INFORMATION:
;   APPLICANT: PLOWMAN, GREGORY
;   APPLICANT: MARTINEZ, RICARDO
;   APPLICANT: WHYTE, DAVID
;   TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
;   FILE REFERENCE: 038602/0329
;   CURRENT APPLICATION NUMBER: US/09/291,417D
;   CURRENT FILING DATE: 1999-04-13
;   PRIOR APPLICATION NUMBER: 60/081,784
;   PRIOR FILING DATE: 1998-04-14
;   NUMBER OF SEQ ID NOS: 155
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 105
;   LENGTH: 1227
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-291-417D-105

Query Match             78.3%;  Score 36;  DB 2;  Length 1227;
Best Local Similarity   87.5%;  Pred. No. 89;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps     0;

Qy    1 YLMDTSGK 8
          |||| |||
Db  924 YLMDRSGK 931

RESULT 11
US-09-328-352-7651
;  Sequence 7651, Application US/09328352
;  Patent No. 6562958
;  GENERAL INFORMATION:
;   APPLICANT: Gary L. Breton et al.
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;   TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE: GTC99-03PA
;   CURRENT APPLICATION NUMBER: US/09/328,352
;   CURRENT FILING DATE: 1999-06-04
;   NUMBER OF SEQ ID NOS: 8252
;   SEQ ID NO 7651
;   LENGTH: 254
;   TYPE: PRT
;   ORGANISM: Acinetobacter baumannii
US-09-328-352-7651

Query Match             76.1%;  Score 35;  DB 2;  Length 254;
Best Local Similarity   87.5%;  Pred. No. 26;
Matches    7;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps     0;

Qy    2 LMDTSGKV 9
          |:|||||
Db  197 LVDTSGKV 204

RESULT 12
US-09-949-016-6865
;  Sequence 6865, Application US/09949016
;  Patent No. 6812339
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6865
; LENGTH: 301
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6865

Query Match        73.9%; Score 34; DB 2; Length 301;
Best Local Similarity  66.7%; Pred. No. 51;
Matches   6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy    1 YLMDTSGKV 9
         | |:|:|||:
Db  138 YEMETSGKI 146

RESULT 13
US-09-949-016-9952
; Sequence 9952, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9952
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9952

Query Match        73.9%; Score 34; DB 2; Length 333;
Best Local Similarity  66.7%; Pred. No. 57;
Matches   6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy    1 YLMDTSGKV 9
         | |:|:|||:
Db  170 YEMETSGKI 178

RESULT 14
US-08-609-049A-12
; Sequence 12, Application US/08609049A
; Patent No. 5948664
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Molz, Lisa
; APPLICANT: Chen, Yen-Wen
; TITLE OF INVENTION: No. 5948664el PI 3-Kinase Polypeptides
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,049A
; FILING DATE: 29-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 2307K-063700US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1876 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-609-049A-12

Query Match        73.9%; Score 34; DB 1; Length 1876;
Best Local Similarity  77.8%; Pred. No. 3.6e+02;
Matches   7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy    1 YLMDTSGKV 9
         | |:|||||
Db  557 YMMDTSIKV 565

RESULT 15
US-08-609-049A-28
; Sequence 28, Application US/08609049A
; Patent No. 5948664
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Molz, Lisa
; APPLICANT: Chen, Yen-Wen
; TITLE OF INVENTION: No. 5948664el PI 3-Kinase Polypeptides
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,049A
; FILING DATE: 29-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 2307K-063700US
; TELECOMMUNICATION INFORMATION:

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;       TELEPHONE:  415-326-2400
;       TELEFAX:   415-326-2422
; INFORMATION FOR SEQ ID NO:   28:
;       SEQUENCE CHARACTERISTICS:
;       LENGTH:  1876 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;       MOLECULE TYPE:  protein
US-08-609-049A-28

Query Match        73.9%;   Score 34;  DB 1;  Length 1876;
Best Local Similarity   77.8%;   Pred. No. 3.6e+02;
Matches    7;  Conservative   1;  Mismatches   1;  Indels    0;  Gaps    0;

Qy      1 YLMDTSGKV 9
          |:|||| ||
Db    557 YMMDTSIKV 565

Search completed: February 7, 2006, 12:49:38
Job time : 21.4894 secs
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                    GenCore version 5.1.7
          Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:      February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
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                                    58.015 Million cell updates/sec

Title:          US-10-006-177A-6
Perfect score:  46
Sequence:       1 YLMDTSGKV 9

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:       1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Published Applications AA Main:*
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           2:  /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
        and is derived by analysis of the total score distribution.

                              SUMMARIES
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| Result No. | Score | % Query Match | Query Length | DB | ID | Description |
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| 1 | 46 | 100.0 | 9 | 4 | US-10-006-177-6 | Sequence 6, Appli |
| 2 | 46 | 100.0 | 100 | 4 | US-10-386-575-7 | Sequence 7, Appli |
| 3 | 46 | 100.0 | 229 | 6 | US-11-035-703-13 | Sequence 13, Appl |
| 4 | 46 | 100.0 | 440 | 4 | US-10-264-049-2376 | Sequence 2376, Ap |
| 5 | 46 | 100.0 | 616 | 4 | US-10-372-686-7 | Sequence 7, Appli |
| 6 | 46 | 100.0 | 616 | 4 | US-10-371-558-7 | Sequence 7, Appli |
| 7 | 46 | 100.0 | 616 | 4 | US-10-300-453A-41 | Sequence 41, Appl |
| 8 | 46 | 100.0 | 616 | 4 | US-10-375-553-7 | Sequence 7, Appli |
| 9 | 46 | 100.0 | 616 | 4 | US-10-372-553-7 | Sequence 7, Appli |
| 10 | 38 | 82.6 | 237 | 5 | US-10-472-928-1306 | Sequence 1306, Ap |
| 11 | 37 | 80.4 | 229 | 6 | US-11-035-703-14 | Sequence 14, Appl |
| 12 | 37 | 80.4 | 609 | 4 | US-10-372-686-6 | Sequence 6, Appli |
| 13 | 37 | 80.4 | 609 | 4 | US-10-371-558-6 | Sequence 6, Appli |
| 14 | 37 | 80.4 | 609 | 4 | US-10-375-553-6 | Sequence 6, Appli |
| 15 | 37 | 80.4 | 609 | 4 | US-10-372-553-6 | Sequence 6, Appli |
| 16 | 37 | 80.4 | 2771 | 3 | US-09-808-602-82 | Sequence 82, Appl |
| 17 | 37 | 80.4 | 2771 | 3 | US-09-800-198-70 | Sequence 70, Appl |
| 18 | 36 | 78.3 | 349 | 3 | US-09-291-417-16 | Sequence 16, Appl |
| 19 | 36 | 78.3 | 349 | 5 | US-10-725-329-16 | Sequence 16, Appl |
| 20 | 36 | 78.3 | 349 | 5 | US-10-725-121-16 | Sequence 16, Appl |
| 21 | 36 | 78.3 | 1227 | 3 | US-09-291-417-105 | Sequence 105, App |
| 22 | 36 | 78.3 | 1227 | 5 | US-10-725-329-105 | Sequence 105, App |
| 23 | 36 | 78.3 | 1227 | 5 | US-10-725-121-105 | Sequence 105, App |
| 24 | 36 | 78.3 | 1539 | 5 | US-10-840-512-207 | Sequence 207, App |
| 25 | 36 | 78.3 | 1581 | 4 | US-10-415-011-16 | Sequence 16, Appl |
| 26 | 35 | 76.1 | 101 | 4 | US-10-437-963-144707 | Sequence 144707, |
| 27 | 35 | 76.1 | 191 | 4 | US-10-156-761-8434 | Sequence 8434, Ap |
| 28 | 35 | 76.1 | 238 | 4 | US-10-282-122A-45132 | Sequence 45132, A |
| 29 | 35 | 76.1 | 384 | 4 | US-10-282-122A-49188 | Sequence 49188, A |
| 30 | 34 | 73.9 | 132 | 4 | US-10-424-599-198393 | Sequence 198393, |
| 31 | 34 | 73.9 | 225 | 5 | US-10-876-542-7 | Sequence 7, Appli |
| 32 | 34 | 73.9 | 229 | 4 | US-10-437-963-105543 | Sequence 105543, |
| 33 | 34 | 73.9 | 301 | 4 | US-10-116-255-33 | Sequence 33, Appl |
| 34 | 34 | 73.9 | 301 | 4 | US-10-648-593-248 | Sequence 248, App |
| 35 | 34 | 73.9 | 301 | 5 | US-10-732-923-19176 | Sequence 19176, A |
| 36 | 34 | 73.9 | 301 | 5 | US-10-732-923-19190 | Sequence 19190, A |
| 37 | 34 | 73.9 | 301 | 5 | US-10-732-923-19351 | Sequence 19351, A |
| 38 | 34 | 73.9 | 301 | 5 | US-10-732-923-19352 | Sequence 19352, A |
| 39 | 34 | 73.9 | 301 | 5 | US-10-756-149-4948 | Sequence 4948, Ap |
| 40 | 34 | 73.9 | 419 | 4 | US-10-369-493-998 | Sequence 998, App |
| 41 | 34 | 73.9 | 454 | 6 | US-11-097-143-6111 | Sequence 6111, Ap |
| 42 | 34 | 73.9 | 907 | 4 | US-10-437-963-154788 | Sequence 154788, |
| 43 | 34 | 73.9 | 1876 | 6 | US-11-097-143-12702 | Sequence 12702, A |
| 44 | 34 | 73.9 | 1876 | 6 | US-11-097-143-27420 | Sequence 27420, A |
| 45 | 34 | 73.9 | 2758 | 4 | US-10-467-535-10 | Sequence 10, Appl |

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                              ALIGNMENTS

RESULT 1
US-10-006-177-6
; Sequence 6, Application US/10006177
; Publication No. US2003016S513A1
; GENERAL INFORMATION:
;  APPLICANT: Ramakrishna, Venky
;  APPLICANT: Ross, Mark
;  APPLICANT: Philip, Ramila
;  TITLE OF INVENTION: Cytotoxic T-Lymphocyte-inducing Immunogens for Prevention, Treatm
;  TITLE OF INVENTION: Diagnosis of Cancer
;  FILE REFERENCE: 26747-35
;  CURRENT APPLICATION NUMBER: US/10/006,177
;  CURRENT FILING DATE: 2001-12-04
;  PRIOR APPLICATION NUMBER: US/60/251,022
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: US/60/256,824
;  PRIOR FILING DATE: 2000-12-20
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
;  LENGTH: 9
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Epitopic Peptide
US-10-006-177-6

Query Match             100.0%;  Score 46;  DB 4;  Length 9;
Best Local Similarity   100.0%;  Pred. No. 1.7e+06;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 YLMDTSGKV 9
              |||||||||
Db          1 YLMDTSGKV 9


RESULT 2
US-10-386-575-7
; Sequence 7, Application US/10386575
; Publication No. US2004018O342A1
; GENERAL INFORMATION:
;  APPLICANT: Haseltine, Cynthia A.
;  APPLICANT: Kowalczykowski, Stephen C.
;  APPLICANT: The Regents of the University of California
;  TITLE OF INVENTION: Multimers of S. solfataricus Single-Stranded
;  TITLE OF INVENTION: DNA-Binding Protein and Methods of Use Thereof
;  FILE REFERENCE: 02307O-12530OUS
;  CURRENT APPLICATION NUMBER: US/10/386,575
;  CURRENT FILING DATE: 2003-03-11
;  NUMBER OF SEQ ID NOS: 12
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: replication protein A 70 kDa DNA-binding subunit
; OTHER INFORMATION: (RPA70) ssDNA-binding domain
US-10-386-575-7

Query Match    100.0%;  Score 46; DB 4;  Length 100;
Best Local Similarity  100.0%;  Pred. No. 0.25;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 YLMDTSGKV 9
        |||||||||
Db   47 YLMDTSGKV 55

RESULT 3
US-11-035-703-13
; Sequence 13, Application US/11035703
; Publication No. US20050164265A1
; GENERAL INFORMATION:
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: Chedin, Frederic
; APPLICANT: Seitz, Erica M.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: 02307O-0979100US
; CURRENT APPLICATION NUMBER: US/11,035,703
; CURRENT FILING DATE: 2005-01-14
; PRIOR APPLICATION NUMBER: US/09/631,616
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/147,680
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: RPA70 198-427
US-11-035-703-13

Query Match    100.0%;  Score 46; DB 6;  Length 229;
Best Local Similarity  100.0%;  Pred. No. 0.6;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 YLMDTSGKV 9
        |||||||||
Db  149 YLMDTSGKV 157

RESULT 4
US-10-264-049-2376
; Sequence 2376, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA13P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2376
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (438)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-049-2376

Query Match    100.0%;  Score 46; DB 4;  Length 440;
Best Local Similarity  100.0%;  Pred. No. 1.2;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 YLMDTSGKV 9
        |||||||||
Db  180 YLMDTSGKV 188

RESULT 5
US-10-372-686-7
; Sequence 7, Application US/10372686
; Publication No. US20030159185A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D
; CURRENT APPLICATION NUMBER: US/10/372,686
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-372-686-7

Query Match    100.0%;  Score 46; DB 4;  Length 616;
Best Local Similarity  100.0%;  Pred. No. 1.7;
Matches  9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 YLMDTSGKV 9
        |||||||||
Db  347 YLMDTSGKV 355

RESULT 6
US-10-371-558-7
; Sequence 7, Application US/10371558
; Publication No. US20030163840A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D2
; CURRENT APPLICATION NUMBER: US/10/371,558
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 616
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-371-558-7

Query Match       100.0%;    Score 46;   DB 4;   Length 616;
Best Local Similarity  100.0%;   Pred. No. 1.7;
Matches    9;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1  YLMDTSGKV  9
           |||||||||
Db    347  YLMDTSGKV  355

RESULT 7
US-10-300-453A-41
; Sequence 41, Application US/10300453A
; Publication No. US20030165934A1
; GENERAL INFORMATION:
;   APPLICANT: ELLEDGE, STEPHEN J.
;   APPLICANT: CORTEZ, DAVID K.
;   APPLICANT: ZOU, LEE
;   TITLE OF INVENTION: METHODS AND COMPOSITIONS IN CHECKPOINT SIGNALING
;   FILE REFERENCE: P02339US
;   CURRENT APPLICATION NUMBER: US/10/300,453A
;   CURRENT FILING DATE:  2003-03-12
;   PRIOR APPLICATION NUMBER: 60/331,821
;   PRIOR FILING DATE: 2001-11-20
;   NUMBER OF SEQ ID NOS: 47
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
;   LENGTH: 616
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-300-453A-41

Query Match       100.0%;    Score 46;   DB 4;   Length 616;
Best Local Similarity  100.0%;   Pred. No. 1.7;
Matches    9;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1  YLMDTSGKV  9
           |||||||||
Db    347  YLMDTSGKV  355

RESULT 8
US-10-375-553-7
; Sequence 7, Application US/10375553
; Publication No. US20030174240A1
; GENERAL INFORMATION:
;   APPLICANT: Mahajan, Pramod B.
;   TITLE OF INVENTION: Replication Protein A and Use
;   FILE REFERENCE: 0899D3
;   CURRENT APPLICATION NUMBER: US/10/375,553
;   CURRENT FILING DATE:  2003-02-21
;   PRIOR APPLICATION NUMBER: US 09/396,149
;   PRIOR FILING DATE: 1999-12-15
;   PRIOR APPLICATION NUMBER: US 60/123,896
;   PRIOR FILING DATE: 1999-03-11
;   PRIOR APPLICATION NUMBER: US 60/100,690
;   PRIOR FILING DATE: 1998-09-17
;   NUMBER OF SEQ ID NOS: 22
;   SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 616
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-375-553-7

Query Match       100.0%;    Score 46;   DB 4;   Length 616;
Best Local Similarity  100.0%;   Pred. No. 1.7;
Matches    9;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1  YLMDTSGKV  9
           |||||||||
Db    347  YLMDTSGKV  355

RESULT 9
US-10-372-553-7
; Sequence 7, Application US/10372553
; Publication No. US20040098769A1
; GENERAL INFORMATION:
;   APPLICANT: Mahajan, Pramod B.
;   TITLE OF INVENTION: Replication Protein A and Use
;   FILE REFERENCE: 0899D3
;   CURRENT APPLICATION NUMBER: US/10/372,553
;   CURRENT FILING DATE:  2003-02-21
;   PRIOR APPLICATION NUMBER: US 09/396,149
;   PRIOR FILING DATE: 1999-12-15
;   PRIOR APPLICATION NUMBER: US 60/123,896
;   PRIOR FILING DATE: 1999-03-11
;   PRIOR APPLICATION NUMBER: US 60/100,690
;   PRIOR FILING DATE: 1998-09-17
;   NUMBER OF SEQ ID NOS: 22
;   SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 616
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-372-553-7

Query Match       100.0%;    Score 46;   DB 4;   Length 616;
Best Local Similarity  100.0%;   Pred. No. 1.7;
Matches    9;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1  YLMDTSGKV  9
           |||||||||
Db    347  YLMDTSGKV  355

RESULT 10
US-10-472-928-1306
; Sequence 1306, Application US/10472928
; Publication No. US2005002013A1
; GENERAL INFORMATION:
;   APPLICANT: CHIRON SpA
;   APPLICANT: THE INSTITUTE FOR GENOMIC RESEARCH
;   TITLE OF INVENTION: STREPTOCOCCUS PNEUMONIAE PROTEINS AND NUCLEIC ACIDS
;   FILE REFERENCE: P026926WO
;   CURRENT APPLICATION NUMBER: US/10/472,928
;   CURRENT FILING DATE:  2003-09-26
;   PRIOR APPLICATION NUMBER: GB-0107658.7
;   PRIOR FILING DATE: 2001-03-27
;   NUMBER OF SEQ ID NOS: 4979
;   SOFTWARE: SeqWin99, version 1.03
; SEQ ID NO 1306
;   LENGTH: 237
;   TYPE: PRT
;   ORGANISM: Streptococcus pneumoniae
;   FEATURE:
;   OTHER INFORMATION: hypothetical protein
;   OTHER INFORMATION: Cellular location: membrane
;   OTHER INFORMATION: Similar to strain R6 sequence 15902655 (e-127)
US-10-472-928-1306

Query Match        82.6%;    Score 38;   DB 5;   Length 237;
Best Local Similarity   77.8%;   Pred. No. 25;
Matches    7;   Conservative   1;   Mismatches   1;   Indels   0;   Gaps   0;

Qy      1  YLMDTSGKV  9
           ||| ||| ||
Db     38  YLMETQGKV  46

RESULT 11
US-11-035-703-14
; Sequence 14, Application US/11035703
; Publication No. US20050164265A1

GENERAL INFORMATION:
; APPLICANT: Kowalczykowski, Stephen C.
; APPLICANT: Chedin, Frederic
; APPLICANT: Seitz, Erica M.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Single Stranded DNA Binding Proteins From Archaea and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: 02307O-097910US
; CURRENT APPLICATION NUMBER: US/11/035,703
; CURRENT FILING DATE: 2005-01-14
; PRIOR APPLICATION NUMBER: US/09/631,616
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/147,680
; PRIOR FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Xenopus laevis
; FEATURE:
; OTHER INFORMATION: RPA70 190-418
US-11-035-703-14

Query Match       80.4%;   Score 37;  DB 6;  Length 229;
Best Local Similarity 77.8%;   Pred. No. 39;
Matches    7;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy    1 YLMDTSGKV 9
          :|||:||||
Db  149 HLMDSSGKV 157

RESULT 12
US-10-372-686-6
; Sequence 6, Application US/10372686
; Publication No. US20030159185A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D
; CURRENT APPLICATION NUMBER: US/10/372,686
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-372-686-6

Query Match       80.4%;   Score 37;  DB 4;  Length 609;
Best Local Similarity 77.8%;   Pred. No. 1.1e+02;
Matches    7;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy    1 YLMDTSGKV 9
          :|||:||||
Db  338 HLMDSSGKV 346

RESULT 13
US-10-371-558-6
; Sequence 6, Application US/10371558
; Publication No. US20030163840A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use

; FILE REFERENCE: 0899D2
; CURRENT APPLICATION NUMBER: US/10/371,558
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
; SOFTWARE: FastSEQ for Windows Version 3.0
US-10-371-558-6

Query Match       80.4%;   Score 37;  DB 4;  Length 609;
Best Local Similarity 77.8%;   Pred. No. 1.1e+02;
Matches    7;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy    1 YLMDTSGKV 9
          :|||:||||
Db  338 HLMDSSGKV 346

RESULT 14
US-10-375-553-6
; Sequence 6, Application US/10375553
; Publication No. US20030174240A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/375,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 6
; LENGTH: 609
; TYPE: PRT
; ORGANISM: Xenopus laevis
; SOFTWARE: FastSEQ for Windows Version 3.0
US-10-375-553-6

Query Match       80.4%;   Score 37;  DB 4;  Length 609;
Best Local Similarity 77.8%;   Pred. No. 1.1e+02;
Matches    7;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy    1 YLMDTSGKV 9
          :|||:||||
Db  338 HLMDSSGKV 346

RESULT 15
US-10-372-553-6
; Sequence 6, Application US/10372553
; Publication No. US20040098769A1
; GENERAL INFORMATION:
; APPLICANT: Mahajan, Pramod B.
; TITLE OF INVENTION: Replication Protein A and Use
; FILE REFERENCE: 0899D3
; CURRENT APPLICATION NUMBER: US/10/372,553
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 09/396,149
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/123,896
; PRIOR FILING DATE: 1999-03-11

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; PRIOR APPLICATION NUMBER: US 60/100,690
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
;   LENGTH: 609
;   TYPE: PRT
;   ORGANISM: Xenopus laevis
US-10-372-553-6

Query Match       80.4%;  Score 37;  DB 4;  Length 609;
Best Local Similarity   77.8%;  Pred. No. 1.1e+02;
Matches   7; Conservative  2; Mismatches  0; Indels  0; Gaps  0;

Qy      1 YLMDTSGKV 9
          :|||:|||
Db    338 HLMDSSGKV 346

Search completed: February 7, 2006, 13:47:30
Job time : 64.9191 secs
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          GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on:       February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
                                           (without alignments)
                                           24.478 Million cell updates/sec

Title:         US-10-006-177A-6
Perfect score: 46
Sequence:      1 YLMDTSGKV 9
Scoring table: BLOSUM62
               Gapop 10.0 , Gapext 0.5
Searched:      88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:        88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :     Published Applications AA New:*
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               3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
               4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
               5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
               6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
               7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
               8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | Query Match % | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 34 | 73.9 | 2769 | 7 | US-11-113-424-14 | Sequence 14, Appl |
| 2 | 32 | 69.6 | 456 | 6 | US-10-763-712A-121 | Sequence 121, App |
| 3 | 31 | 67.4 | 368 | 7 | US-11-053-185-12 | Sequence 12, Appl |
| 4 | 31 | 67.4 | 409 | 7 | US-11-055-822-290 | Sequence 290, App |
| 5 | 31 | 67.4 | 452 | 6 | US-10-641-678-63 | Sequence 63, Appl |
| 6 | 31 | 67.4 | 491 | 6 | US-11-053-185-22 | Sequence 22, Appl |
| 7 | 31 | 67.4 | 554 | 6 | US-10-506-443A-36 | Sequence 36, Appl |
| 8 | 31 | 67.4 | 561 | 6 | US-10-506-443A-34 | Sequence 34, Appl |
| 9 | 31 | 67.4 | 568 | 6 | US-10-506-443A-30 | Sequence 30, Appl |
| 10 | 30 | 65.2 | 186 | 6 | US-10-467-657-5598 | Sequence 5598, Ap |
| 11 | 30 | 65.2 | 338 | 7 | US-11-052-554A-228 | Sequence 228, App |
| 12 | 30 | 65.2 | 436 | 6 | US-11-043-889-58 | Sequence 58, Appl |
| 13 | 30 | 65.2 | 438 | 7 | US-11-043-889-55 | Sequence 55, Appl |
| 14 | 30 | 65.2 | 608 | 6 | US-10-873-528-8 | Sequence 8, Appli |
| 15 | 29 | 63.0 | 47 | 6 | US-10-986-501-171 | Sequence 171, App |
| 16 | 29 | 63.0 | 217 | 6 | US-10-467-657-1566 | Sequence 1566, Ap |
| 17 | 29 | 63.0 | 304 | 6 | US-10-467-657-7616 | Sequence 7616, Ap |
| 18 | 29 | 63.0 | 416 | 6 | US-10-467-657-5060 | Sequence 5060, Ap |
| 19 | 29 | 63.0 | 694 | 7 | US-11-074-176-340 | Sequence 340, App |
| 20 | 29 | 63.0 | 697 | 7 | US-11-074-176-150 | Sequence 150, App |
| 21 | 28 | 60.9 | 13 | 6 | US-10-986-501-287 | Sequence 287, App |
| 22 | 28 | 60.9 | 134 | 6 | US-10-986-501-295 | Sequence 295, App |
| 23 | 28 | 60.9 | 154 | 6 | US-10-467-657-158 | Sequence 158, App |
| 24 | 28 | 60.9 | 154 | 6 | US-10-467-657-6520 | Sequence 6520, Ap |
| 25 | 28 | 60.9 | 154 | 6 | US-10-467-657-7634 | Sequence 7634, Ap |
| 26 | 28 | 60.9 | 180 | 7 | US-11-176-830-751 | Sequence 751, App |
| 27 | 28 | 60.9 | 180 | 7 | US-11-176-830-752 | Sequence 752, App |
| 28 | 28 | 60.9 | 205 | 6 | US-10-821-234-968 | Sequence 968, App |
| 29 | 28 | 60.9 | 236 | 6 | US-10-467-657-3480 | Sequence 3480, Ap |
| 30 | 28 | 60.9 | 315 | 6 | US-10-453-372-380 | Sequence 380, App |
| 31 | 28 | 60.9 | 334 | 6 | US-10-453-372-386 | Sequence 386, App |
| 32 | 28 | 60.9 | 341 | 6 | US-10-453-372-378 | Sequence 378, App |
| 33 | 28 | 60.9 | 377 | 6 | US-10-793-626-3014 | Sequence 3014, Ap |
| 34 | 28 | 60.9 | 382 | 7 | US-11-024-959-296 | Sequence 296, App |
| 35 | 28 | 60.9 | 434 | 6 | US-10-453-372-372 | Sequence 372, App |
| 36 | 28 | 60.9 | 437 | 6 | US-10-753-537-19 | Sequence 19, Appl |
| 37 | 28 | 60.9 | 439 | 6 | US-10-453-372-384 | Sequence 384, App |
| 38 | 28 | 60.9 | 448 | 7 | US-11-077-550-177 | Sequence 177, App |
| 39 | 28 | 60.9 | 454 | 7 | US-11-077-550-72 | Sequence 72, Appl |
| 40 | 28 | 60.9 | 454 | 7 | US-11-077-550-74 | Sequence 74, Appl |
| 41 | 28 | 60.9 | 454 | 7 | US-11-077-550-76 | Sequence 76, Appl |
| 42 | 28 | 60.9 | 454 | 7 | US-11-077-550-78 | Sequence 78, Appl |
| 43 | 28 | 60.9 | 455 | 6 | US-10-847-867-1 | Sequence 1, Appli |
| 44 | 28 | 60.9 | 455 | 6 | US-10-847-867-28 | Sequence 28, Appl |
| 45 | 28 | 60.9 | 455 | 6 | US-10-847-867-29 | Sequence 29, Appl |

ALIGNMENTS

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RESULT 1
US-11-113-424-14
; Sequence 14, Application US/11113424
; Publication No. US20050260713A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/11/113,424
; CURRENT FILING DATE: 2005-04-21
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 2769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-113-424-14

  Query Match          73.9%;  Score 34;  DB 7;  Length 2769;
  Best Local Similarity 75.0%;  Pred. No. 71;
  Matches   6;  Conservative  1;  Mismatches  1;  Indels  0;  Gaps  0;

Qy    1 YLMDTSGK 8
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Db 1587 YLFDTTGK 1594

RESULT 2
US-10-763-712A-121
; Sequence 121, Application US/10763712A
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; Publication No. US2005026654lAl
; GENERAL INFORMATION:
; APPLICANT: Solazyme, Inc.
; APPLICANT: Dillon, Harrison F.
; TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen
; TITLE OF INVENTION: Production
; FILE REFERENCE: H2042101-CIP
; CURRENT APPLICATION NUMBER: US/10/763,712A
; CURRENT FILING DATE: 2004-01-21
; PRIOR APPLICATION NUMBER: US 10/287,750
; PRIOR FILING DATE: 2002-11-04
; PRIOR APPLICATION NUMBER: US 10/411,910
; PRIOR FILING DATE: 2003-04-12
; PRIOR APPLICATION NUMBER: US 60/500,032
; PRIOR FILING DATE: 2003-09-03
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 456
; TYPE: PRT
; ORGANISM: Methanosarcina barkeri
US-10-763-712A-121

Qy            3 MDTSGKV 9
                :||||||
Db          353 LDTSGKV 359

Query Match             69.6%;  Score 32; DB 6;  Length 456;
Best Local Similarity   85.7%;  Pred. No. 26;
Matches     6;  Conservative   1;  Mismatches   0;  Indels   0;  Gaps   0;

RESULT 3
US-11-053-185-12
; Sequence 12, Application US/11053185
; Publication No. US2005026702341
; GENERAL INFORMATION:
; APPLICANT: SINCLAIR, DAVID A.
; APPLICANT: BITTERMAN, KEVIN J.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR EXTENDING THE LIFE SPAN
; TITLE OF INVENTION: AND INCREASING THE STRESS RESISTANCE OF CELLS AND
; TITLE OF INVENTION: ORGANISMS
; FILE REFERENCE: HMV-085.01
; CURRENT APPLICATION NUMBER: US/11/053,185
; CURRENT FILING DATE: 2005-02-08
; PRIOR APPLICATION NUMBER: PCT/US03/025016
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: 60/402,254
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/428,614
; PRIOR FILING DATE: 2002-11-22
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 12
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-053-185-12

Qy            1 YLMDTSGKV 9
                ||:||||| :
Db          175 YLLETSGNL 183

Query Match             67.4%;  Score 31; DB 7;  Length 368;
Best Local Similarity   55.5%;  Pred. No. 34;
Matches     5;  Conservative   3;  Mismatches   3;  Indels   1;  Gaps   0;

RESULT 4
US-11-055-822-290
; Sequence 290, Application US/11055822
; Publication No. US2005026070741
; GENERAL INFORMATION:

; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-1212PCN
; CURRENT APPLICATION NUMBER: US/11/055,822
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: 09/606,740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141,031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142,101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148,613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187,970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19930476.9
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: DE 19931415.2
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931418.7
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931419.5
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1158
; SEQ ID NO 290
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-055-822-290

Qy            1 YLMDTSGKV 9
                | ||:||:|
Db          312 YAADTAGKI 320

Query Match             67.4%;  Score 31; DB 7;  Length 409;
Best Local Similarity   55.6%;  Pred. No. 38;
Matches     5;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

RESULT 5
US-10-641-678-63
; Sequence 63, Application US/10641678
; Publication No. US2005027717241
; GENERAL INFORMATION:
; APPLICANT: Day, Anthony, G.
; APPLICANT: Goedegebuur, Frits
; APPLICANT: Gualfetti, Peter
; APPLICANT: Mitchinson, Colin
; APPLICANT: Neefe, Paulien
; APPLICANT: Sandgren, Mats
; APPLICANT: Shaw, Andrew
; APPLICANT: Stahlberg, Jerry
; TITLE OF INVENTION: Novel Variant Hypocrea jecorina CBH1
; TITLE OF INVENTION: Cellulases
; FILE REFERENCE: GC772-3
; CURRENT APPLICATION NUMBER: US/10/641,678
; CURRENT FILING DATE: 2003-08-15
; PRIOR APPLICATION NUMBER: US 60/458,853
; PRIOR FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: US 60/458,696
; PRIOR FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: US 60/456,368
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: US 60/404,063
; PRIOR FILING DATE: 2002-08-16

; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 63
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Aspergillus niger
US-10-641-678-63

Query Match 67.4%; Score 31; DB 6; Length 452;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YLMDTS 6
      ||||||
Db 123 YLMDTS 128

RESULT 6
US-11-053-185-22
; Sequence 22, Application US/11053185
; Publication No. US20050267023A1
; GENERAL INFORMATION:
; APPLICANT: SINCLAIR, DAVID A.
; APPLICANT: BITTERMAN, KEVIN J.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR EXTENDING THE LIFE SPAN
; TITLE OF INVENTION: AND INCREASING THE STRESS RESISTANCE OF CELLS AND
; TITLE OF INVENTION: ORGANISMS
; FILE REFERENCE: HMV-085.01
; CURRENT APPLICATION NUMBER: US/11/053,185
; CURRENT FILING DATE: 2005-02-08
; PRIOR APPLICATION NUMBER: PCT/US03/025016
; PRIOR FILING DATE: 2003-08-08
; PRIOR APPLICATION NUMBER: 60/402,254
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/428,614
; PRIOR FILING DATE: 2002-11-22
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 22
; LENGTH: 491
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-053-185-22

Query Match 67.4%; Score 31; DB 7; Length 491;
Best Local Similarity 55.6%; Pred. No. 46;
Matches 5; Conservative 3; Mismatches 3; Indels 1; Gaps 0;

Qy 1 YLMDTSGKV 9
      ||:::|||:
Db 175 YLLETSGNL 183

RESULT 7
US-10-506-443A-36
; Sequence 36, Application US/10506443A
; Publication No. US2006013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 554
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-36

Query Match 67.4%; Score 31; DB 6; Length 554;
Best Local Similarity 55.6%; Pred. No. 53;
Matches 5; Conservative 3; Mismatches 3; Indels 1; Gaps 0;

Qy 1 YLMDTSGKV 9
      :||:|||:
Db 190 HTMDSSGKI 198

RESULT 8
US-10-506-443A-34
; Sequence 34, Application US/10506443A
; Publication No. US2006013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 561
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-34

Query Match 67.4%; Score 31; DB 6; Length 561;
Best Local Similarity 55.6%; Pred. No. 53;
Matches 5; Conservative 3; Mismatches 3; Indels 1; Gaps 0;

Qy 1 YLMDTSGKV 9
      :||:|||:
Db 197 HTMDSSGKI 205

RESULT 9
US-10-506-443A-30
; Sequence 30, Application US/10506443A
; Publication No. US2006013817A1
; GENERAL INFORMATION:
; APPLICANT: Sahin Dr., Ugur
; APPLICANT: Tureci Dr., Ozlem
; APPLICANT: Koslowski Dr., Michael
; TITLE OF INVENTION: Genetic Products Differentially Expressed in Tumors and Use There
; FILE REFERENCE: 342-3PCT
; CURRENT APPLICATION NUMBER: US/10/506,443A
; CURRENT FILING DATE: 2004-09-01
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-506-443A-30

Query Match 67.4%; Score 31; DB 6; Length 568;
Best Local Similarity 55.6%; Pred. No. 54;
Matches 5; Conservative 3; Mismatches 3; Indels 1; Gaps 0;

Qy 1 YLMDTSGKV 9
      :||:|||:
Db 196 HTMDSSGKI 204

RESULT 10
US-10-467-657-5598
; Sequence 5598, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA

```
;       APPLICANT: FONTANA Maria Rita
;       APPLICANT: PIZZA Mariagrazia
;       APPLICANT: MASIGNANI Vega
;       APPLICANT: MONACI Elisabetta
;       TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
;       FILE REFERENCE:
;       CURRENT APPLICATION NUMBER: US/10/467,657
;       CURRENT FILING DATE: 2003-08-11
;       PRIOR APPLICATION NUMBER: GB-0103424.8
;       PRIOR FILING DATE: 2001-02-12
;       NUMBER OF SEQ ID NOS: 9218
;       SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 5598
;       LENGTH: 186
;       TYPE: PRT
;       ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5598

Query Match             65.2%;    Score 30;  DB 6;  Length 186;
Best Local Similarity  100.0%;    Pred. No. 26;
Matches     6;   Conservative    0;   Mismatches    0;   Indels    0;   Gaps    0;

Qy          4  DTSGKV  9
               ||||||
Db        144  DTSGKV  149


RESULT 11
US-11-052-554A-228
; Sequence 228, Application US/11052554A
; Publication No. US20050288866A1
; GENERAL INFORMATION:
;       APPLICANT: Sachdeva, et al.
;       TITLE OF INVENTION: COMPUTATIONAL METHOD FOR IDENTIFYING ADHESIN AND ADHESIN-LIKE
;       TITLE OF INVENTION: PROTEINS OF THERAPEUTIC POTENTIAL
;       FILE REFERENCE: 30853/40359A
;       CURRENT APPLICATION NUMBER: US/11/052,554A
;       CURRENT FILING DATE: 2005-02-07
;       PRIOR APPLICATION NUMBER: US 60/589,227
;       PRIOR FILING DATE: 2004-07-20
;       PRIOR APPLICATION NUMBER: IN 173/DEL/2004
;       PRIOR FILING DATE: 2004-02-06
;       NUMBER OF SEQ ID NOS: 763
;       SOFTWARE: PatentIn version 3.3
; SEQ ID NO 228
;       LENGTH: 338
;       TYPE: PRT
;       ORGANISM: Streptococcus pneumoniae R6
US-11-052-554A-228

Query Match             65.2%;    Score 30;  DB 7;  Length 338;
Best Local Similarity   55.6%;    Pred. No. 50;
Matches     5;   Conservative    2;   Mismatches    2;   Indels    2;   Gaps    0;

Qy          1  YLMDTSGKV  9
               |.:|.||||:
Db        209  YYLDASGKM  217


RESULT 12
US-11-043-889-58
; Sequence 58, Application US/11043889
; Publication No. US20060008819A1
; GENERAL INFORMATION:
;       APPLICANT: Curtis, Rory A.J.
;       APPLICANT: Glucksman, Maria Alexandra
;       APPLICANT: Meyers, Rachel E.
;       TITLE OF INVENTION: NOVEL 38594, 57312, 53659, 57250, 63760, 49938, 32146,
;       TITLE OF INVENTION:    57259, 67118, 67067, 62092, FBH58295FL, 57255,
;       TITLE OF INVENTION:    AND 57255alt MOLECULES AND USES THEREFOR
;       FILE REFERENCE: MPI02-09SDV1OMNIM
;       CURRENT APPLICATION NUMBER: US/11/043,889
;       CURRENT FILING DATE: 2005-01-26
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;       PRIOR APPLICATION NUMBER: US 10/154,419
;       PRIOR FILING DATE: 2002-05-22
;       PRIOR APPLICATION NUMBER: US 09/858194
;       PRIOR FILING DATE: 2001-05-14
;       PRIOR APPLICATION NUMBER: US 60/204211
;       PRIOR FILING DATE: 2000-05-12
;       PRIOR APPLICATION NUMBER: US 09/895811
;       PRIOR FILING DATE: 2001-06-29
;       PRIOR APPLICATION NUMBER: US 60/215376
;       PRIOR FILING DATE: 2000-06-29
;       PRIOR APPLICATION NUMBER: US 09/919781
;       PRIOR FILING DATE: 2001-07-31
;       PRIOR APPLICATION NUMBER: US 60/221769
;       PRIOR FILING DATE: 2000-07-31
;       PRIOR APPLICATION NUMBER: US 09/957664
;       PRIOR FILING DATE: 2001-09-19
;       PRIOR APPLICATION NUMBER: US 60/233790
;       PRIOR FILING DATE: 2000-09-19
;       PRIOR APPLICATION NUMBER: US 09/964295
;       PRIOR FILING DATE: 2001-09-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 59
; SEQ ID NO 58
;       LENGTH: 436
;       TYPE: PRT
;       ORGANISM: Homo sapiens
US-11-043-889-58

Query Match             65.2%;    Score 30;  DB 7;  Length 436;
Best Local Similarity   71.4%;    Pred. No. 66;
Matches     5;   Conservative    2;   Mismatches    2;   Indels    0;   Gaps    0;

Qy          1  YLMDTSG  7
               ||:|:|:|
Db        392  YLMETTG  398


RESULT 13
US-11-043-889-55
; Sequence 55, Application US/11043889
; Publication No. US20060008819A1
; GENERAL INFORMATION:
;       APPLICANT: Curtis, Rory A.J.
;       APPLICANT: Glucksman, Maria Alexandra
;       APPLICANT: Meyers, Rachel E.
;       TITLE OF INVENTION: NOVEL 38594, 57312, 53659, 57250, 63760, 49938, 32146,
;       TITLE OF INVENTION:    57259, 67118, 67067, 62092, FBH58295FL, 57255,
;       TITLE OF INVENTION:    AND 57255alt MOLECULES AND USES THEREFOR
;       FILE REFERENCE: MPI02-09SDV1OMNIM
;       CURRENT APPLICATION NUMBER: US/11/043,889
;       CURRENT FILING DATE: 2005-01-26
;       PRIOR APPLICATION NUMBER: US 10/154,419
;       PRIOR FILING DATE: 2002-05-22
;       PRIOR APPLICATION NUMBER: US 09/858194
;       PRIOR FILING DATE: 2001-05-14
;       PRIOR APPLICATION NUMBER: US 60/204211
;       PRIOR FILING DATE: 2000-05-12
;       PRIOR APPLICATION NUMBER: US 09/895811
;       PRIOR FILING DATE: 2001-06-29
;       PRIOR APPLICATION NUMBER: US 60/215376
;       PRIOR FILING DATE: 2000-06-29
;       PRIOR APPLICATION NUMBER: US 09/919781
;       PRIOR FILING DATE: 2001-07-31
;       PRIOR APPLICATION NUMBER: US 60/221769
;       PRIOR FILING DATE: 2000-07-31
;       PRIOR APPLICATION NUMBER: US 09/957664
;       PRIOR FILING DATE: 2001-09-19
;       PRIOR APPLICATION NUMBER: US 60/233790
;       PRIOR FILING DATE: 2000-09-19
;       PRIOR APPLICATION NUMBER: US 09/964295
;       PRIOR FILING DATE: 2001-09-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
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;  NUMBER OF SEQ ID NOS: 59
;  SOFTWARE: FastSEQ Version 4.0
;  SEQ ID NO 55
;  LENGTH: 438
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-11-043-889-55

Query Match        65.2%;  Score 30;  DB 7;  Length 438;
Best Local Similarity   71.4%;  Pred. No. 66;
Matches   5;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 YLMDTSG 7
          |||:|:|
Db    394 YLMETTG 400

RESULT 14
US-10-873-528-8
;  Sequence 8, Application US/10873528
;  Publication No. US20050276814A1
;  GENERAL INFORMATION:
;  APPLICANT: Microbial Technics Limited
;  APPLICANT: Gilbert, Christophe FG
;  APPLICANT: Hansbro, Philip M
;  TITLE OF INVENTION: Proteins
;  FILE REFERENCE: PWC/P21129WO
;  CURRENT APPLICATION NUMBER: US/10/873,528
;  CURRENT FILING DATE: 2004-06-23
;  PRIOR APPLICATION NUMBER: US/09/769,787
;  PRIOR FILING DATE: 2001-01-26
;  PRIOR APPLICATION NUMBER: GB 9816337.1
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: US 60/125164
;  PRIOR FILING DATE: 1999-03-19
;  NUMBER OF SEQ ID NOS: 388
;  SOFTWARE: PatentIn Ver. 2.1
;  SEQ ID NO 8
;  LENGTH: 608
;  TYPE: PRT
;  ORGANISM: Streptococcus pneumoniae
US-10-873-528-8

Query Match        65.2%;  Score 30;  DB 6;  Length 608;
Best Local Similarity   55.6%;  Pred. No. 94;
Matches   5;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy      1 YLMDTSGKV 9
          :|-|||:
Db    200 FLFDESGKI 208

RESULT 15
US-10-986-501-171
;  Sequence 171, Application US/10986501
;  Publication No. US20050244845A1
;  GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: 90 Human Secreted Proteins
;  FILE REFERENCE: PZ013P2C1
;  CURRENT APPLICATION NUMBER: US/10/986,501
;  CURRENT FILING DATE: 2004-11-12
;  PRIOR APPLICATION NUMBER: US/10/621,363
;  PRIOR FILING DATE: 2003-07-18
;  PRIOR APPLICATION NUMBER: 09/969,730
;  PRIOR FILING DATE: 2001-10-06
;  PRIOR APPLICATION NUMBER: 09/774,639
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/238,291
;  PRIOR FILING DATE: 2000-10-06
;  PRIOR APPLICATION NUMBER: 09/244,112
;  PRIOR FILING DATE: 1999-02-04
;  PRIOR APPLICATION NUMBER: PCT/US98/16235
;  PRIOR FILING DATE: 1998-08-04
;  PRIOR APPLICATION NUMBER: 60/056,371
;  PRIOR FILING DATE: 1997-08-19
;  PRIOR APPLICATION NUMBER: 60/056,732
;  PRIOR FILING DATE: 1997-08-19
;  PRIOR APPLICATION NUMBER: 60/056,366
;  PRIOR FILING DATE: 1997-08-19
;  PRIOR APPLICATION NUMBER: 60/056,364
;  PRIOR FILING DATE: 1997-08-19
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 373
;  SOFTWARE: PatentIn Ver. 2.0
;  SEQ ID NO 171
;  LENGTH: 47
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-986-501-171

Query Match        63.0%;  Score 29;  DB 6;  Length 47;
Best Local Similarity   55.6%;  Pred. No. 9.6;
Matches   5;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy      1 YLMDTSGKV 9
          ||: ||||:
Db     20 YLLTPSGKI 28

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GenCore version 5.1.7

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OM protein - protein search, using sw model

Run on: February 7, 2006, 12:45:47 ; Search time 20.4894 Seconds
(without alignments)
36.315 Million cell updates/sec

Title: US-10-006-177A-7
Perfect score: 48
Sequence: 1 ILDDIGHGV 9

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 48 | 100.0 | 47 | 1 | US-08-549-004A-13 | Sequence 13, Appl |
| 2 | 48 | 100.0 | 47 | 1 | US-09-051-982A-13 | Sequence 13, Appl |
| 3 | 48 | 100.0 | 401 | 1 | US-08-549-004A-5 | Sequence 5, Appli |
| 4 | 48 | 100.0 | 401 | 2 | US-09-051-982A-5 | Sequence 5, Appli |
| 5 | 46 | 95.8 | 239 | 1 | US-08-665-647-11 | Sequence 11, Appl |
| 6 | 46 | 95.8 | 480 | 2 | US-09-189-035-5 | Sequence 5, Appli |
| 7 | 46 | 95.8 | 480 | 2 | US-09-382-086-5 | Sequence 5, Appli |
| 8 | 46 | 95.8 | 531 | 2 | US-09-949-016-8074 | Sequence 8074, Ap |
| 9 | 43 | 89.6 | 366 | 2 | US-09-377-285B-20 | Sequence 20, Appl |
| 10 | 43 | 89.6 | 366 | 2 | US-10-192-381-20 | Sequence 20, Appl |
| 11 | 43 | 89.6 | 370 | 2 | US-09-377-285B-16 | Sequence 16, Appl |
| 12 | 43 | 89.6 | 370 | 2 | US-10-192-381-16 | Sequence 16, Appl |
| 13 | 43 | 89.6 | 476 | 2 | US-09-189-035-1 | Sequence 1, Appli |
| 14 | 43 | 89.6 | 476 | 2 | US-09-382-086-1 | Sequence 1, Appli |
| 15 | 40 | 83.3 | 552 | 2 | US-09-252-991A-27032 | Sequence 27032, A |
| 16 | 38 | 79.2 | 362 | 2 | US-09-252-991A-20079 | Sequence 20079, A |
| 17 | 38 | 79.2 | 483 | 2 | US-09-252-991A-23024 | Sequence 23024, A |
| 18 | 36 | 75.0 | 255 | 2 | US-09-489-039A-9075 | Sequence 9075, Ap |
| 19 | 36 | 75.0 | 299 | 2 | US-09-543-681A-5982 | Sequence 5982, Ap |
| 20 | 36 | 75.0 | 465 | 2 | US-09-252-991A-29387 | Sequence 29387, A |
| 21 | 36 | 75.0 | 677 | 2 | US-09-252-991A-20406 | Sequence 20406, A |
| 22 | 35 | 72.9 | 88 | 2 | US-09-727-739B-5 | Sequence 5, Appli |
| 23 | 35 | 72.9 | 114 | 2 | US-09-727-739B-3 | Sequence 3, Appli |
| 24 | 35 | 72.9 | 217 | 2 | US-09-252-991A-22705 | Sequence 22705, A |
| 25 | 35 | 72.9 | 321 | 2 | US-09-252-991A-24233 | Sequence 24233, A |
| 26 | 35 | 72.9 | 585 | 2 | US-09-252-991A-32321 | Sequence 32321, A |
| 27 | 34 | 70.8 | 184 | 2 | US-09-384-162-12 | Sequence 12, Appl |
| 28 | 34 | 70.8 | 216 | 1 | US-08-546-712-2 | Sequence 2, Appli |
| 29 | 34 | 70.8 | 216 | 1 | US-08-751-105-2 | Sequence 2, Appli |
| 30 | 34 | 70.8 | 267 | 1 | US-07-857-224B-37 | Sequence 37, Appl |
| 31 | 34 | 70.8 | 317 | 2 | US-09-134-000C-5669 | Sequence 5669, Ap |
| 32 | 34 | 70.8 | 367 | 2 | US-08-888-429A-13 | Sequence 13, Appl |
| 33 | 34 | 70.8 | 367 | 2 | US-09-593-653-13 | Sequence 13, Appl |
| 34 | 34 | 70.8 | 376 | 2 | US-10-081-644-4 | Sequence 4, Appli |
| 35 | 34 | 70.8 | 385 | 2 | US-09-252-991A-21405 | Sequence 21405, A |
| 36 | 34 | 70.8 | 387 | 2 | US-09-252-991A-22990 | Sequence 22990, A |
| 37 | 34 | 70.8 | 464 | 2 | US-09-252-991A-16660 | Sequence 16660, A |
| 38 | 34 | 70.8 | 514 | 2 | US-09-252-991A-30600 | Sequence 30600, A |
| 39 | 34 | 70.8 | 580 | 2 | US-09-252-991A-24206 | Sequence 24206, A |
| 40 | 34 | 70.8 | 668 | 1 | US-08-530-950-13 | Sequence 13, Appl |
| 41 | 34 | 70.8 | 668 | 2 | US-09-149-879-13 | Sequence 13, Appl |
| 42 | 34 | 70.8 | 668 | 2 | US-09-057-009-13 | Sequence 13, Appl |
| 43 | 34 | 70.8 | 668 | 2 | US-09-487-558B-238 | Sequence 238, App |
| 44 | 33 | 68.8 | 62 | 2 | US-09-252-991A-23533 | Sequence 23533, A |
| 45 | 33 | 68.8 | 224 | 2 | US-09-583-110-2737 | Sequence 2737, Ap |

## ALIGNMENTS

RESULT 1
US-08-549-004A-13
; Sequence 13, Application US/08549004A
; Patent No. 5969101
; GENERAL INFORMATION:
; APPLICANT: PENDERGAST, ANN MARIE
; APPLICANT: DAI, ZONGHAN
; TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/549,004A
; FILING DATE: 27-OCT-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-103
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-549-004A-13

Query Match 100.0%; Score 48; DB 1; Length 47;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy   1 ILDDIGHGV 9
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Db  30 ILDDIGHGV 38
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RESULT 2
US-09-051-982A-13
; Sequence 13, Application US/09051982A
; Patent No. 6255074
; GENERAL INFORMATION:
;  APPLICANT: PENDERGAST, ANN MARIE
;  APPLICANT: DAI, ZONGHAN
;  TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
;  NUMBER OF SEQUENCES: 16
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: NIXON & VANDERHYE P.C.
;  STREET: 1100 NORTH GLEBE ROAD
;  CITY: ARLINGTON
;  STATE: VIRGINIA
;  COUNTRY: U.S.A.
;  ZIP: 22201-4714
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: Floppy disk
;  COMPUTER: IBM PC compatible
;  OPERATING SYSTEM: PC-DOS/MS-DOS
;  SOFTWARE: PatentIn Release #1.0, Version #1.30
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/09/051,982A
;  FILING DATE: 08-JUL-1998
;  CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;  NAME: WILSON, MARY J.
;  REGISTRATION NUMBER: 32,955
;  REFERENCE/DOCKET NUMBER: 1579-193
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: (703) 816-4000
;  TELEFAX: (703) 816-4100
;  INFORMATION FOR SEQ ID NO: 13:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 47 amino acids
;  TYPE: amino acid
;  STRANDEDNESS:
;  TOPOLOGY: linear
;  MOLECULE TYPE: protein
US-09-051-982A-13

Query Match             100.0%;  Score 48;  DB 2;  Length 47;
Best Local Similarity   100.0%;  Pred. No. 0.041;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       1  ILDDIGHGV 9
            |||||||||
Db      30  ILDDIGHGV 38

RESULT 3
US-08-549-004A-5
; Sequence 5, Application US/08549004A
; Patent No. 5969101
; GENERAL INFORMATION:
;  APPLICANT: PENDERGAST, ANN MARIE
;  APPLICANT: DAI, ZONGHAN
;  TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
;  NUMBER OF SEQUENCES: 15
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: NIXON & VANDERHYE P.C.
;  STREET: 1100 NORTH GLEBE ROAD
;  CITY: ARLINGTON
;  STATE: VIRGINIA
;  COUNTRY: U.S.A.
;  ZIP: 22201-4714
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: Floppy disk
;  COMPUTER: IBM PC compatible
;  OPERATING SYSTEM: PC-DOS/MS-DOS
;  SOFTWARE: PatentIn Release #1.0, Version #1.30
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/08/549,004A
;  FILING DATE: 27-OCT-1995
;  CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;  NAME: WILSON, MARY J.
;  REGISTRATION NUMBER: 32,955
;  REFERENCE/DOCKET NUMBER: 1579-103
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: (703) 816-4000
;  TELEFAX: (703) 816-4100
;  INFORMATION FOR SEQ ID NO: 5:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 401 amino acids
;  TYPE: amino acid
;  STRANDEDNESS:
;  TOPOLOGY: linear
;  MOLECULE TYPE: protein
;  FRAGMENT TYPE: linear
US-08-549-004A-5

Query Match             100.0%;  Score 48;  DB 1;  Length 401;
Best Local Similarity   100.0%;  Pred. No. 0.44;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       1  ILDDIGHGV 9
            |||||||||
Db     100  ILDDIGHGV 108

RESULT 4
US-09-051-982A-5
; Sequence 5, Application US/09051982A
; Patent No. 6255074
; GENERAL INFORMATION:
;  APPLICANT: PENDERGAST, ANN MARIE
;  APPLICANT: DAI, ZONGHAN
;  TITLE OF INVENTION: ABL-INTERACTOR PROTEIN
;  NUMBER OF SEQUENCES: 16
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: NIXON & VANDERHYE P.C.
;  STREET: 1100 NORTH GLEBE ROAD
;  CITY: ARLINGTON
;  STATE: VIRGINIA
;  COUNTRY: U.S.A.
;  ZIP: 22201-4714
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: Floppy disk
;  COMPUTER: IBM PC compatible
;  OPERATING SYSTEM: PC-DOS/MS-DOS
;  SOFTWARE: PatentIn Release #1.0, Version #1.30
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/09/051,982A
;  FILING DATE: 08-JUL-1998
;  CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;  NAME: WILSON, MARY J.
;  REGISTRATION NUMBER: 32,955
;  REFERENCE/DOCKET NUMBER: 1579-193
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: (703) 816-4000
;  TELEFAX: (703) 816-4100
;  INFORMATION FOR SEQ ID NO: 5:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 401 amino acids
;  TYPE: amino acid
;  STRANDEDNESS:
;  TOPOLOGY: linear
;  MOLECULE TYPE: protein
;  FRAGMENT TYPE: linear
US-09-051-982A-5

Query Match             100.0%;  Score 48;  DB 2;  Length 401;
Best Local Similarity   100.0%;  Pred. No. 0.44;
Matches   9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 ILDDIGHGV 9
            |||||||||
Db      100 ILDDIGHGV 108

RESULT 5
US-08-665-647-11
; Sequence 11, Application US/0865647
; Patent No. 5935803
; GENERAL INFORMATION:
;   APPLICANT: Dasquez, Nicki J.
;   APPLICANT: Ron, Dorit
;   APPLICANT: Voronova, Anna F.
;   APPLICANT: Napolitano, Eugene W.
;   TITLE OF INVENTION: METHODS TO IDENTIFY IMMUNOMODULATORS
;   TITLE OF INVENTION: USING COGNATE INTERACTION OF PKC-THETA
;   NUMBER OF SEQUENCES: 89
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: MORRISON & FOERSTER
;     STREET: 2000 Pennsylvania Avenue, NW - Ste. 5500
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20006-1888
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/665,647
;     FILING DATE: 18-JUN-1996
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Murashige, Kate H.
;     REGISTRATION NUMBER: 29,959
;     REFERENCE/DOCKET NUMBER: 22550-20025.25
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202) 887-1500
;     TELEFAX: (202) 822-0168
;     TELEX: 90-4030 MRSNFOERSWSH
; INFORMATION FOR SEQ ID NO: 11:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 239 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-665-647-11

Query Match             95.8%;   Score 46;   DB 1;   Length 239;
Best Local Similarity   77.8%;   Pred. No. 0.58;
Matches     7; Conservative  2; Mismatches  2; Indels  0; Gaps  0;

Qy        1 ILDDIGHGV 9
            :|||:||||
Db      101 VLDDVGHGV 109

RESULT 6
US-09-189-035-5
; Sequence 5, Application US/09189035
; Patent No. 6020165
; GENERAL INFORMATION:
;   APPLICANT: Yue, Henry
;   APPLICANT: Corley, Neil C.
;   APPLICANT: Guegler, Karl J.
;   APPLICANT: Baughn, Mariah R.
;   TITLE OF INVENTION: CYTOKINE SIGNAL REGULATORS
;   FILE REFERENCE: PF-0638 US
;   CURRENT APPLICATION NUMBER: US/09/189,035
;   CURRENT FILING DATE: 1998-11-10
;   NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PERL Program
; SEQ ID NO 5
;   LENGTH: 480
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE: -
;   OTHER INFORMATION: g2245671
US-09-189-035-5

Query Match             95.8%;   Score 46;   DB 2;   Length 480;
Best Local Similarity   77.8%;   Pred. No. 1.3;
Matches     7; Conservative  2; Mismatches  2; Indels  0; Gaps  0;

Qy        1 ILDDIGHGV 9
            :|||:||||
Db      145 VLDDVGHGV 153

RESULT 7
US-09-382-086-5
; Sequence 5, Application US/0932086
; Patent No. 6201106
; GENERAL INFORMATION:
;   APPLICANT: Yue, Henry
;   APPLICANT: Corley, Neil C.
;   APPLICANT: Guegler, Karl J.
;   APPLICANT: Baughn, Mariah R.
;   TITLE OF INVENTION: CYTOKINE SIGNAL REGULATORS
;   FILE REFERENCE: PF-0638 US
;   CURRENT APPLICATION NUMBER: US/09/382,086
;   CURRENT FILING DATE: 1999-08-24
;   EARLIER APPLICATION NUMBER: 09/189,035
;   EARLIER FILING DATE: 1998-11-10
;   NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 5
;   LENGTH: 480
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE: -
;   OTHER INFORMATION: g2245671
US-09-382-086-5

Query Match             95.8%;   Score 46;   DB 2;   Length 480;
Best Local Similarity   77.8%;   Pred. No. 1.3;
Matches     7; Conservative  2; Mismatches  2; Indels  0; Gaps  0;

Qy        1 ILDDIGHGV 9
            :|||:||||
Db      145 VLDDVGHGV 153

RESULT 8
US-09-949-016-8074
; Sequence 8074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 8074
;     LENGTH: 531

; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8074

Query Match        95.8%;     Score 46;   DB 2;   Length 531;
Best Local Similarity    77.8%;   Pred. No. 1.4;
Matches    7;   Conservative    2;   Mismatches    0;   Indels    0;   Gaps    0;

Qy     1 ILDDIGHGV 9
           :|||:||||
Db   170 VLDDVGHGV 178

RESULT 9
US-09-377-285B-20
; Sequence 20, Application US/09377285B
; Patent No. 6720175
; GENERAL INFORMATION:
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/09/377,285B
; CURRENT FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-377-285B-20

Query Match        89.6%;     Score 43;   DB 2;   Length 366;
Best Local Similarity    87.5%;   Pred. No. 3.4;
Matches    7;   Conservative    1;   Mismatches    1;   Indels    0;   Gaps    0;

Qy     2 LDDIGHGV 9
           ||||:|||
Db   146 LDDIGHGI 153

RESULT 10
US-10-192-381-20
; Sequence 20, Application US/10192381
; Patent No. 6864083
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; TITLE OF INVENTION: AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18

; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-192-381-20

Query Match        89.6%;     Score 43;   DB 2;   Length 366;
Best Local Similarity    87.5%;   Pred. No. 3.4;
Matches    7;   Conservative    1;   Mismatches    1;   Indels    0;   Gaps    0;

Qy     2 LDDIGHGV 9
           ||||:|||
Db   146 LDDIGHGI 153

RESULT 11
US-09-377-285B-16
; Sequence 16, Application US/09377285B
; Patent No. 6720175
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul
; APPLICANT: TU, Jian
; APPLICANT: XIAO, Bo
; APPLICANT: LEAHY, Daniel
; APPLICANT: BENEKEN, Jutta
; APPLICANT: LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/09/377,285B
; CURRENT FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-377-285B-16

Query Match        89.6%;     Score 43;   DB 2;   Length 370;
Best Local Similarity    87.5%;   Pred. No. 3.4;
Matches    7;   Conservative    1;   Mismatches    1;   Indels    0;   Gaps    0;

Qy     2 LDDIGHGV 9
           |||:|||||
Db   152 LDDVGHGV 159

RESULT 12
US-10-192-381-16
; Sequence 16, Application US/10192381
; Patent No. 6864083
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: WORLEY, Paul

; APPLICANT:   TU, Jian
; APPLICANT:   XIAO, Bo
; APPLICANT:   LEAHY, Daniel
; APPLICANT:   BENEKEN, Jutta
; APPLICANT:   LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; TITLE OF INVENTION:  AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; CURRENT FILING DATE:  2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
;   LENGTH: 370
;   TYPE: PRT
;   ORGANISM: Rattus norvegicus
US-10-192-381-16

Query Match             89.6%;  Score 43;  DB 2;  Length 370;
Best Local Similarity   87.5%;  Pred. No. 3.4;
Matches    7;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          2 LDDIGHGV 9
              |||:||||
Db        152 LDDVGHGV 159

RESULT 13
US-09-189-035-1
; Sequence 1, Application US/09189035
; Patent No. 6020165
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CYTOKINE SIGNAL REGULATORS
; FILE REFERENCE: PF-0638 US
; CURRENT APPLICATION NUMBER: US/09/189,035
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 1
;   LENGTH: 476
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE: -
;   OTHER INFORMATION: 2280326
US-09-189-035-1

Query Match             89.6%;  Score 43;  DB 2;  Length 476;
Best Local Similarity   87.5%;  Pred. No. 4.5;
Matches    7;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          2 LDDIGHGV 9
              |||:|||:
Db        256 LDDIGHGI 263

RESULT 14
US-09-382-086-1
; Sequence 1, Application US/09382086
; Patent No. 6201106

; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CYTOKINE SIGNAL REGULATORS
; FILE REFERENCE: PF-0638 US
; CURRENT APPLICATION NUMBER: US/09/382,086
; CURRENT FILING DATE: 1999-08-24
; EARLIER APPLICATION NUMBER: 09/189,035
; EARLIER FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 1
;   LENGTH: 476
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE: -
;   OTHER INFORMATION: 2280326
US-09-382-086-1

Query Match             89.6%;  Score 43;  DB 2;  Length 476;
Best Local Similarity   87.5%;  Pred. No. 4.5;
Matches    7;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          2 LDDIGHGV 9
              |||:|||:
Db        256 LDDIGHGI 263

RESULT 15
US-09-252-991A-27032
; Sequence 27032, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT:  Marc J.   Rubenfield et al.
; TITLE OF INVENTION:   NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION:   AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27032
;   TYPE: PRT
;   LENGTH: 552
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27032

Query Match             83.3%;  Score 40;  DB 2;  Length 552;
Best Local Similarity   75.0%;  Pred. No. 19;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 ILDDIGHG 8
              :|||:|||
Db        426 LLDDLGHG 433

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                    GenCore version 5.1.7
         Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:      February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
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Title:       US-10-006-177A-7
Perfect score: 48
Sequence:    1 ILDDIGHGV 9

Scoring table: BLOSUM62
             Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters:    1867569

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Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                            SUMMARIES
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| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
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| 1 | 48 | 100.0 | 9 | 4 | US-10-006-177-7 | Sequence 7, Appli |
| 2 | 48 | 100.0 | 475 | 5 | US-10-756-149-5477 | Sequence 5477, Ap |
| 3 | 46 | 95.8 | 173 | 4 | US-10-106-698-4392 | Sequence 4392, Ap |
| 4 | 43 | 89.6 | 366 | 4 | US-10-192-381-20 | Sequence 20, Appl |
| 5 | 43 | 89.6 | 366 | 6 | US-11-008-889-20 | Sequence 20, Appl |
| 6 | 43 | 89.6 | 370 | 4 | US-10-192-381-16 | Sequence 16, Appl |
| 7 | 43 | 89.6 | 370 | 6 | US-11-008-889-16 | Sequence 16, Appl |
| 8 | 40 | 83.3 | 473 | 6 | US-11-097-143-20694 | Sequence 20694, A |
| 9 | 39 | 81.2 | 259 | 4 | US-10-425-114-51295 | Sequence 51295, A |
| 10 | 39 | 81.2 | 380 | 5 | US-10-450-763-37847 | Sequence 37847, A |
| 11 | 39 | 81.2 | 500 | 4 | US-10-425-114-70502 | Sequence 70502, A |
| 12 | 39 | 81.2 | 629 | 5 | US-10-450-763-34877 | Sequence 34877, A |
| 13 | 37 | 77.1 | 154 | 4 | US-10-437-963-196639 | Sequence 196639, |
| 14 | 36 | 75.0 | 151 | 4 | US-10-425-115-342550 | Sequence 342550, |
| 15 | 36 | 75.0 | 185 | 4 | US-10-767-701-57517 | Sequence 57517, A |
| 16 | 36 | 75.0 | 378 | 4 | US-10-425-114-39429 | Sequence 39429, A |
| 17 | 36 | 75.0 | 402 | 4 | US-10-425-115-356942 | Sequence 356942, |
| 18 | 36 | 75.0 | 416 | 5 | US-10-469-204-144 | Sequence 144, App |
| 19 | 36 | 75.0 | 746 | 4 | US-10-437-963-146802 | Sequence 146802, |
| 20 | 35 | 72.9 | 49 | 4 | US-10-437-963-106596 | Sequence 106596, |
| 21 | 35 | 72.9 | 68 | 4 | US-10-029-386-28599 | Sequence 28599, A |
| 22 | 35 | 72.9 | 88 | 3 | US-09-727-739B-5 | Sequence 5, Appli |
| 23 | 35 | 72.9 | 114 | 3 | US-09-727-739B-3 | Sequence 3, Appli |
| 24 | 35 | 72.9 | 133 | 4 | US-10-767-701-38338 | Sequence 38338, A |
| 25 | 35 | 72.9 | 160 | 4 | US-10-424-599-217079 | Sequence 217079, |
| 26 | 35 | 72.9 | 174 | 4 | US-10-425-114-52263 | Sequence 52263, A |
| 27 | 35 | 72.9 | 219 | 4 | US-10-425-115-212629 | Sequence 212629, |
| 28 | 35 | 72.9 | 262 | 6 | US-11-011-011-913-1 | Sequence 1, Appli |
| 29 | 35 | 72.9 | 273 | 4 | US-10-767-701-41564 | Sequence 41564, A |
| 30 | 35 | 72.9 | 409 | 4 | US-10-424-599-238679 | Sequence 238679, |
| 31 | 35 | 72.9 | 420 | 6 | US-11-097-143-42174 | Sequence 42174, A |
| 32 | 35 | 72.9 | 449 | 5 | US-09-738-626-5315 | Sequence 5315, Ap |
| 33 | 35 | 72.9 | 449 | 4 | US-10-501-282-136 | Sequence 136, App |
| 34 | 35 | 72.9 | 473 | 4 | US-10-437-963-186053 | Sequence 186053, |
| 35 | 35 | 72.9 | 473 | 5 | US-10-739-930-6388 | Sequence 6388, Ap |
| 36 | 35 | 72.9 | 484 | 5 | US-10-494-675-78 | Sequence 78, Appl |
| 37 | 35 | 72.9 | 488 | 4 | US-10-425-115-324281 | Sequence 324281, |
| 38 | 35 | 72.9 | 518 | 4 | US-10-425-114-59128 | Sequence 59128, A |
| 39 | 35 | 72.9 | 526 | 5 | US-10-450-763-45798 | Sequence 45798, A |
| 40 | 35 | 72.9 | 585 | 4 | US-10-425-114-53676 | Sequence 53676, A |
| 41 | 35 | 72.9 | 693 | 4 | US-10-425-114-56454 | Sequence 56454, A |
| 42 | 35 | 72.9 | 770 | 4 | US-10-437-963-166183 | Sequence 166183, |
| 43 | 35 | 72.9 | 788 | 4 | US-10-437-963-145665 | Sequence 145665, |
| 44 | 35 | 72.9 | 815 | 4 | US-10-425-115-231132 | Sequence 231132, |
| 45 | 35 | 72.9 | 906 | 4 | US-10-080-334-58 | Sequence 58, Appl |

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                            ALIGNMENTS

RESULT 1
US-10-006-177-7
; Sequence 7, Application US/10006177
; Publication No. US20030165513A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
;  LENGTH: 9
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Epitopic Peptide
US-10-006-177-7

  Query Match           100.0%;  Score 48;  DB 4;  Length 9;
  Best Local Similarity 100.0%;  Pred. No. 1.7e+06;
  Matches    9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy        1 ILDDIGHGV 9
            |||||||||
Db        1 ILDDIGHGV 9

RESULT 2
US-10-756-149-5477
; Sequence 5477, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
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; SEQ ID NO 5477
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5477

Query Match             100.0%;  Score 48;  DB 5;  Length 475;
Best Local Similarity   100.0%;  Pred. No. 2.2;
Matches    9;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy       1 ILDDIGHGV 9
           |||||||||
Db     145 ILDDIGHGV 153


RESULT 3
US-10-106-698-4392
; Sequence 4392, Application US/10106698
; Publication No. US2003010969OA1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4392
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (142)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (144)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (146)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (155)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (163)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: MISC_FEATURE
; LOCATION: (172)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-4392

Query Match             95.8%;  Score 46;  DB 4;  Length 173;
Best Local Similarity   77.8%;  Pred. No. 1.8;
Matches    7;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy       1 ILDDIGHGV 9
           :|||:|||
Db      29 VLDDVGHGV 37


RESULT 4
US-10-192-381-20
; Sequence 20, Application US/10192381
; Publication No. US20030170807A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
```

```
; APPLICANT:  WORLEY, Paul
; APPLICANT:  TU, Jian
; APPLICANT:  XIAO, Bo
; APPLICANT:  LEAHY, Daniel
; APPLICANT:  BENEKEN, Jutta
; APPLICANT:  LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; TITLE OF INVENTION:  AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/10/192,381
; CURRENT FILING DATE:  2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-192-381-20

Query Match             89.6%;  Score 43;  DB 4;  Length 366;
Best Local Similarity   87.5%;  Pred. No. 14;
Matches    7;  Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy       2 LDDIGHGV 9
           ||||||||
Db     146 LDDIGHGI 153


RESULT 5
US-11-008-889-20
; Sequence 20, Application US/11008889
; Publication No. US2005016434A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT:  WORLEY, Paul
; APPLICANT:  TU, Jian
; APPLICANT:  XIAO, Bo
; APPLICANT:  LEAHY, Daniel
; APPLICANT:  BENEKEN, Jutta
; APPLICANT:  LANAHAN, Anthony
; TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
; TITLE OF INVENTION:  AMENDED)
; FILE REFERENCE: JHU1580-4
; CURRENT APPLICATION NUMBER: US/11/008,889
; CURRENT FILING DATE:  2004-12-10
; PRIOR APPLICATION NUMBER: US/10/192,381
; PRIOR FILING DATE:  2002-07-09
; PRIOR APPLICATION NUMBER: US/09/377,285
; PRIOR FILING DATE: 1999-08-18
; PRIOR APPLICATION NUMBER: US 60/138,426
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,493
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/138,494
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: US 60/097,334
; PRIOR FILING DATE: 1998-08-18
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
```

US-11-008-889-20

```
Query Match          89.6%;   Score 43;  DB 6;  Length 366;
Best Local Similarity 87.5%;   Pred. No. 14;
Matches   7; Conservative  1; Mismatches  1; Indels  0; Gaps  0;

Qy      2 LDDIGHGV 9
          |||||||:
Db    146 LDDIGHGI 153
```

RESULT 6
US-10-192-381-16
; Sequence 16, Application US/10192381
; Publication No. US2003170807A1
; GENERAL INFORMATION:
;    APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
;    APPLICANT: WORLEY, Paul
;    APPLICANT: TU, Jian
;    APPLICANT: XIAO, Bo
;    APPLICANT: LEAHY, Daniel
;    APPLICANT: BENEKEN, Jutta
;    APPLICANT: LANAHAN, Anthony
;    TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
;    TITLE OF INVENTION: AMENDED)
;    FILE REFERENCE: JHU1580-4
;    CURRENT APPLICATION NUMBER: US/10/192,381
;    CURRENT FILING DATE: 2002-07-09
;    PRIOR APPLICATION NUMBER: US/09/377,285
;    PRIOR FILING DATE: 1999-08-18
;    PRIOR APPLICATION NUMBER: US 60/138,426
;    PRIOR FILING DATE: 1999-06-10
;    PRIOR APPLICATION NUMBER: US 60/138,493
;    PRIOR FILING DATE: 1999-06-10
;    PRIOR APPLICATION NUMBER: US 60/138,494
;    PRIOR FILING DATE: 1999-06-10
;    PRIOR APPLICATION NUMBER: US 60/097,334
;    PRIOR FILING DATE: 1998-08-18
;    NUMBER OF SEQ ID NOS: 72
;    SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
;    LENGTH: 370
;    TYPE: PRT
;    ORGANISM: Rattus norvegicus
US-10-192-381-16

```
Query Match          89.6%;   Score 43;  DB 4;  Length 370;
Best Local Similarity 87.5%;   Pred. No. 14;
Matches   7; Conservative  1; Mismatches  1; Indels  0; Gaps  0;

Qy      2 LDDIGHGV 9
          |||:|||||
Db    152 LDDVGHGV 159
```

RESULT 7
US-11-008-889-16
; Sequence 16, Application US/11008889
; Publication No. US2005164344A1
; GENERAL INFORMATION:
;    APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
;    APPLICANT: WORLEY, Paul
;    APPLICANT: TU, Jian
;    APPLICANT: XIAO, Bo
;    APPLICANT: LEAHY, Daniel
;    APPLICANT: BENEKEN, Jutta
;    APPLICANT: LANAHAN, Anthony
;    TITLE OF INVENTION: NUCLEIC ACID MOLECULE ENCODING HOMER 1b PROTEIN (AS
;    TITLE OF INVENTION: AMENDED)
;    FILE REFERENCE: JHU1580-4
;    CURRENT APPLICATION NUMBER: US/11/008,889
;    CURRENT FILING DATE: 2004-12-10
;    PRIOR APPLICATION NUMBER: US/10/192,381
;    PRIOR FILING DATE: 2002-07-09
;    PRIOR APPLICATION NUMBER: US/09/377,285
;    PRIOR FILING DATE: 1999-08-18
;    PRIOR APPLICATION NUMBER: US 60/138,426
;    PRIOR FILING DATE: 1999-06-10
;    PRIOR APPLICATION NUMBER: US 60/138,493
;    PRIOR FILING DATE: 1999-06-10
;    PRIOR APPLICATION NUMBER: US 60/138,494
;    PRIOR FILING DATE: 1999-06-10
;    PRIOR APPLICATION NUMBER: US 60/097,334
;    PRIOR FILING DATE: 1998-08-18
;    NUMBER OF SEQ ID NOS: 72
;    SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
;    LENGTH: 370
;    TYPE: PRT
;    ORGANISM: Rattus norvegicus
US-11-008-889-16

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Query Match          89.6%;   Score 43;  DB 6;  Length 370;
Best Local Similarity 87.5%;   Pred. No. 14;
Matches   7; Conservative  1; Mismatches  1; Indels  0; Gaps  0;

Qy      2 LDDIGHGV 9
          |||:|||||
Db    152 LDDVGHGV 159
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RESULT 8
US-11-097-143-20694
; Sequence 20694, Application US/11097143
; Publication No. US2005020858A1
; GENERAL INFORMATION:
;    APPLICANT: Venter, J. Craig
;    APPLICANT: et al.
;    TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
;    TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
;    TITLE OF INVENTION: DROSOPHILA GENES.
;    FILE REFERENCE: CL000728
;    CURRENT APPLICATION NUMBER: US/11/097,143
;    CURRENT FILING DATE: 2005-04-04
;    PRIOR APPLICATION NUMBER: 60/157,832
;    PRIOR FILING DATE: 1999-10-05
;    PRIOR APPLICATION NUMBER: 60/160,191
;    PRIOR FILING DATE: 1999-10-19
;    PRIOR APPLICATION NUMBER: 60/161,932
;    PRIOR FILING DATE: 1999-10-28
;    PRIOR APPLICATION NUMBER: 60/164,769
;    PRIOR FILING DATE: 1999-12-28
;    PRIOR APPLICATION NUMBER: 60/173,383
;    PRIOR FILING DATE: 1999-11-12
;    PRIOR APPLICATION NUMBER: 60/175,693
;    PRIOR FILING DATE: 2000-01-12
;    PRIOR APPLICATION NUMBER: 60/184,831
;    PRIOR FILING DATE: 2000-02-24
;    PRIOR APPLICATION NUMBER: 60/191,637
;    PRIOR FILING DATE: 2000-03-23
;    NUMBER OF SEQ ID NOS: 43008
;    SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 20694
;    LENGTH: 473
;    TYPE: PRT
;    ORGANISM: DROSOPHILA
US-11-097-143-20694

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Query Match          83.3%;   Score 40;  DB 6;  Length 473;
Best Local Similarity 66.7%;   Pred. No. 67;
Matches   6; Conservative  3; Mismatches  3; Indels  0; Gaps  0;

Qy      1 ILDDIGHGV 9
          :||:|||||:
Db    157 MLDEIGHGI 165
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RESULT 9
US-10-425-114-51295
; Sequence 51295, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
;   APPLICANT: Liu, Jingdong
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Screen, Steven E
;   APPLICANT: Tabaska, Jack E
;   APPLICANT: Cao, Yongwei
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;   FILE REFERENCE: 38-21(53313)B
;   CURRENT APPLICATION NUMBER: US/10/425,114
;   CURRENT FILING DATE: 2003-04-28
;   NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 51295
;   LENGTH: 259
;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: 700071826_FLI.pep
US-10-425-114-51295

Query Match             81.2%;  Score 39;  DB 4;  Length 259;
Best Local Similarity   85.7%;  Pred. No. 54;
  Matches    6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          3 DDIGHGV 9
              ||:||||
Db        249 DDVGHGV 255


RESULT 10
US-10-450-763-37847
; Sequence 37847, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
;   APPLICANT: Hyseq, Inc
;   TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;   FILE REFERENCE: 790CIP3/US
;   CURRENT APPLICATION NUMBER: US/10/450,763
;   CURRENT FILING DATE: 2003-06-11
;   PRIOR APPLICATION NUMBER: PCT/US01/08631
;   PRIOR FILING DATE: 2001-03-30
;   PRIOR APPLICATION NUMBER: 09/540,217
;   PRIOR FILING DATE: 2000-03-31
;   PRIOR APPLICATION NUMBER: 09/649,167
;   PRIOR FILING DATE: 2000-08-23
;   NUMBER OF SEQ ID NOS: 60736
;   SOFTWARE: Custom
; SEQ ID NO 37847
;   LENGTH: 380
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-450-763-37847

Query Match             81.2%;  Score 39;  DB 5;  Length 380;
Best Local Similarity   66.7%;  Pred. No. 81;
  Matches    6;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 ILDDIGHGV 9
              ||:|:|||:
Db        267 ILHDVGHGI 275


RESULT 11
US-10-425-114-70502
; Sequence 70502, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
;   APPLICANT: Liu, Jingdong
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Screen, Steven E
;   APPLICANT: Tabaska, Jack E
;   APPLICANT: Cao, Yongwei
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;   FILE REFERENCE: 38-21(53313)B
;   CURRENT APPLICATION NUMBER: US/10/425,114
;   CURRENT FILING DATE: 2003-04-28
;   NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 70502
;   LENGTH: 500
;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: UC-ZMFLMO17036H04_FLI.pep
US-10-425-114-70502

Query Match             81.2%;  Score 39;  DB 4;  Length 500;
Best Local Similarity   85.7%;  Pred. No. 1.1e+02;
  Matches    6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          3 DDIGHGV 9
              ||:||||
Db        249 DDVGHGV 255


RESULT 12
US-10-450-763-34877
; Sequence 34877, Application US/10450763
; Publication No. US2005019675A1
; GENERAL INFORMATION:
;   APPLICANT: Hyseq, Inc
;   TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;   FILE REFERENCE: 790CIP3/US
;   CURRENT APPLICATION NUMBER: US/10/450,763
;   CURRENT FILING DATE: 2003-06-11
;   PRIOR APPLICATION NUMBER: PCT/US01/08631
;   PRIOR FILING DATE: 2001-03-30
;   PRIOR APPLICATION NUMBER: 09/540,217
;   PRIOR FILING DATE: 2000-03-31
;   PRIOR APPLICATION NUMBER: 09/649,167
;   PRIOR FILING DATE: 2000-08-23
;   NUMBER OF SEQ ID NOS: 60736
;   SOFTWARE: Custom
; SEQ ID NO 34877
;   LENGTH: 629
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: DOMAIN
;   LOCATION: (512)..(544)
;   OTHER INFORMATION: ABC transporters family proteins domain identified by
;   OTHER INFORMATION: eMATRIX, accession number BL00211B, p-value=3.423e-17, raw score
;   OTHER INFORMATION: 13.37
;   FEATURE:
;   NAME/KEY: DOMAIN
;   LOCATION: (436)..(588)
;   OTHER INFORMATION: ABC transporter domain identified by PFam, accession name
;   OTHER INFORMATION: ABC_tran, E-value=2e-07, PFam score of 26.5
US-10-450-763-34877

Query Match             81.2%;  Score 39;  DB 5;  Length 629;
Best Local Similarity   66.7%;  Pred. No. 1.4e+02;
  Matches    6;  Conservative    2;  Mismatches    2;  Indels    1;  Gaps    0;

Qy          1 ILDDIGHGV 9
              ||:|:|||:
Db        226 ILHDVGHGI 234

RESULT 13
US-10-437-963-196639
; Sequence 196639, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
;   APPLICANT: La Rosa, Thomas J.
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   APPLICANT: Wu, Wei
;   APPLICANT: Boukharov, Andrey A.
;   APPLICANT: Barbazuk, Brad
;   APPLICANT: Li, Ping
;   TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
;   FILE REFERENCE: 38-21(53221)B
;   CURRENT APPLICATION NUMBER: US/10/437,963
;   CURRENT FILING DATE: 2003-05-14
;   NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 196639
;   LENGTH: 154
;   TYPE: PRT
;   ORGANISM: Oryza sativa
;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT4530_92471C.1.pep
US-10-437-963-196639

Query Match     77.1%;   Score 37;   DB 4;   Length 154;
Best Local Similarity   75.0%;   Pred. No. 73;
Matches    6;   Conservative    1;   Mismatches    1;   Indels     0;   Gaps     0;

Qy      1 ILDDIGHG 8
        |:|| ||||
Db     34 IIDDAGHG 41


RESULT 14
US-10-425-115-342550
; Sequence 342550, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
;   APPLICANT: La Rosa, Thomas J.
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants
;   FILE REFERENCE: 38-21(53222)B
;   CURRENT APPLICATION NUMBER: US/10/425,115
;   CURRENT FILING DATE: 2003-04-28
;   NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 342550
;   LENGTH: 151
;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_75572C.1.pep
US-10-425-115-342550

Query Match     75.0%;   Score 36;   DB 4;   Length 151;
Best Local Similarity   62.5%;   Pred. No. 1.1e+02;
Matches    5;   Conservative    2;   Mismatches    1;   Indels     0;   Gaps     0;

Qy      1 ILDDIGHG 8
        :| |:|||
Db     20 VLQDVGHG 27


RESULT 15
US-10-767-701-57517
; Sequence 57517, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
;   APPLICANT: Kovalic, David K.
;   APPLICANT: Zhou, Yihua
;   APPLICANT: Cao, Yongwei
;   TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
;   FILE REFERENCE: 38-21(53535)B
;   CURRENT APPLICATION NUMBER: US/10/767,701
;   CURRENT FILING DATE: 2004-01-29
;   NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 57517
;   LENGTH: 185
;   TYPE: PRT
;   ORGANISM: Sorghum bicolor
;   FEATURE:
;   OTHER INFORMATION: Clone ID: 30968284.pep
US-10-767-701-57517

Query Match     75.0%;   Score 36;   DB 4;   Length 185;
Best Local Similarity   55.6%;   Pred No. 1.4e+02;
Matches    5;   Conservative    3;   Mismatches    1;   Indels     0;   Gaps     0;

Qy      1 ILDDIGHGV 9
        :: |:|||
Db     74 VVTDVGHGV 82


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Job time : 65.9191 secs

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                    GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on:        February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
                                             (without alignments)
                                             24.478 Million cell updates/sec

Title:          US-10-006-177A-7
Perfect score:  48
Sequence:       1 ILDDIGHGV 9

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:        88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Published Applications_AA New:*
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                2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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                4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
                5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
                6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
                7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
                8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Match | Query Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 35 | 72.9 | 449 | 7 | US-11-055-822-142 | Sequence 142, App |
| 2 | 34 | 70.8 | 668 | 7 | US-11-111-239-13 | Sequence 13, Appl |
| 3 | 33 | 68.8 | 188 | 6 | US-10-467-657-3200 | Sequence 3200, Ap |
| 4 | 33 | 68.8 | 454 | 7 | US-11-169-013-1 | Sequence 1, Appli |
| 5 | 32 | 66.7 | 519 | 6 | US-10-523-477-8 | Sequence 8, Appli |
| 6 | 32 | 66.7 | 626 | 7 | US-11-094-586-12 | Sequence 12, Appl |
| 7 | 32 | 66.7 | 626 | 7 | US-11-094-586-13 | Sequence 13, Appl |
| 8 | 32 | 66.7 | 628 | 7 | US-11-094-586-8 | Sequence 8, Appli |
| 9 | 32 | 66.7 | 629 | 7 | US-11-094-586-11 | Sequence 11, Appl |
| 10 | 32 | 66.7 | 639 | 7 | US-11-094-586-2 | Sequence 2, Appli |
| 11 | 31.5 | 65.6 | 1126 | 7 | US-11-075-185-3 | Sequence 3, Appli |
| 12 | 31 | 64.6 | 17 | 6 | US-10-895-064-2577 | Sequence 2577, Ap |
| 13 | 31 | 64.6 | 229 | 6 | US-10-656-894-4 | Sequence 4, Appl |
| 14 | 31 | 64.6 | 286 | 7 | US-11-129-143-64 | Sequence 64, Appl |
| 15 | 31 | 64.6 | 432 | 6 | US-10-878-556A-72 | Sequence 72, Appl |
| 16 | 31 | 64.6 | 874 | 6 | US-10-510-386-28 | Sequence 28, Appl |
| 17 | 31 | 64.6 | 1047 | 6 | US-10-510-386-200 | Sequence 200, App |
| 18 | 31 | 64.6 | 2491 | 6 | US-10-995-561-769 | Sequence 769, App |
| 19 | 30 | 62.5 | 114 | 7 | US-11-034-569-10 | Sequence 10, Appl |
| 20 | 30 | 62.5 | 198 | 6 | US-11-467-657-5440 | Sequence 5440, Ap |
| 21 | 30 | 62.5 | 224 | 7 | US-11-054-281-303 | Sequence 303, App |
| 22 | 30 | 62.5 | 240 | 6 | US-10-467-657-3742 | Sequence 3742, Ap |
| 23 | 30 | 62.5 | 292 | 5 | US-09-978-360A-674 | Sequence 674, App |
| 24 | 30 | 62.5 | 297 | 7 | US-11-092-140-9 | Sequence 9, Appli |
| 25 | 30 | 62.5 | 321 | 7 | US-11-092-140-12 | Sequence 12, Appl |
| 26 | 30 | 62.5 | 334 | 7 | US-11-207-626A-22 | Sequence 22, Appl |
| 27 | 30 | 62.5 | 338 | 7 | US-11-000-463-445 | Sequence 445, App |
| 28 | 30 | 62.5 | 344 | 7 | US-11-000-463-917 | Sequence 917, App |
| 29 | 30 | 62.5 | 363 | 6 | US-10-995-561-602 | Sequence 602, App |
| 30 | 30 | 62.5 | 391 | 7 | US-11-207-626A-30 | Sequence 30, Appl |
| 31 | 30 | 62.5 | 394 | 7 | US-11-169-096-11 | Sequence 11, Appl |
| 32 | 30 | 62.5 | 422 | 6 | US-10-524-647-122 | Sequence 122, App |
| 33 | 30 | 62.5 | 614 | 7 | US-11-126-841A-2 | Sequence 2, Appli |
| 34 | 30 | 62.5 | 614 | 7 | US-11-126-841A-13 | Sequence 13, Appl |
| 35 | 30 | 62.5 | 745 | 6 | US-10-995-561-659 | Sequence 659, App |
| 36 | 30 | 62.5 | 745 | 7 | US-11-109-156-14 | Sequence 14, Appl |
| 37 | 30 | 62.5 | 745 | 7 | US-11-222-158-4 | Sequence 4, Appli |
| 38 | 30 | 62.5 | 787 | 6 | US-10-517-939-54 | Sequence 54, Appl |
| 39 | 30 | 62.5 | 891 | 6 | US-11-182-016-38 | Sequence 38, Appl |
| 40 | 30 | 62.5 | 1099 | 6 | US-10-873-528-11 | Sequence 11, Appl |
| 41 | 30 | 62.5 | 1128 | 7 | US-11-183-294-28 | Sequence 28, Appl |
| 42 | 30 | 62.5 | 6893 | 7 | US-11-205-109-14 | Sequence 14, Appl |
| 43 | 29 | 60.4 | 43 | 6 | US-10-467-657-418 | Sequence 418, App |
| 44 | 29 | 60.4 | 80 | 5 | US-09-978-360A-749 | Sequence 749, App |
| 45 | 29 | 60.4 | 228 | 6 | US-10-793-626-360 | Sequence 360, App |

ALIGNMENTS

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RESULT 1
US-11-055-822-142
; Sequence 142, Application US/1105822
; Publication No. US20050260707A1
; GENERAL INFORMATION:
;    APPLICANT: Pompejus, Markus
;    APPLICANT: Kroger, Burkhard
;    APPLICANT: Schroder, Hartwig
;    APPLICANT: Zelder, Oskar
;    APPLICANT: Haberhauer, Gregor
;    TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
;    TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
;    FILE REFERENCE: BGI-121CPCN
;    CURRENT APPLICATION NUMBER: US/11/055,822
;    CURRENT FILING DATE: 2005-02-11
;    PRIOR APPLICATION NUMBER: 09/606,740
;    PRIOR FILING DATE: 2000-06-23
;    PRIOR APPLICATION NUMBER: 60/141,031
;    PRIOR FILING DATE: 1999-06-25
;    PRIOR APPLICATION NUMBER: 60/142,101
;    PRIOR FILING DATE: 1999-07-02
;    PRIOR APPLICATION NUMBER: 60/148,613
;    PRIOR FILING DATE: 1999-08-12
;    PRIOR APPLICATION NUMBER: 60/187,970
;    PRIOR FILING DATE: 2000-03-09
;    PRIOR APPLICATION NUMBER: DE 19930476.9
;    PRIOR FILING DATE: 1999-07-01
;    PRIOR APPLICATION NUMBER: DE 19931415.2
;    PRIOR FILING DATE: 1999-07-08
;    PRIOR APPLICATION NUMBER: DE 19931418.7
;    PRIOR FILING DATE: 1999-07-08
;    PRIOR APPLICATION NUMBER: DE 19931419.5
;    PRIOR FILING DATE: 1999-07-08
;    PRIOR APPLICATION NUMBER: DE 19931420.9
;    PRIOR FILING DATE: 1999-07-08
;    Remaining Prior Application data removed - See File Wrapper or PALM.
;    NUMBER OF SEQ ID NOS: 1158
;    SEQ ID NO 142
;    LENGTH: 449
;    TYPE: PRT
;    ORGANISM: Corynebacterium glutamicum
US-11-055-822-142

Query Match             72.9%;  Score 35;  DB 7;  Length 449;
Best Local Similarity   87.5%;  Pred. No. 20;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy          2 LDDIGHGV 9
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Db       142 LDDIGSGV 149
              ||||| ||
Qy         2 LDDIGHG 8
              ||::|||
Db       363 LDELGHG 369
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RESULT 2
US-11-111-239-13
; Sequence 13, Application US/11111239
; Publication No. US2005272077A1
; GENERAL INFORMATION:
;   APPLICANT: Davis, Roger J.
;             Raingeaud, Joel
;             Gupta, Shashi
;             Derijard, Benoit
;   TITLE OF INVENTION: CYTOKINE-, STRESS-, AND
;             ONCOPROTEIN-ACTIVATED HUMAN PROTEIN KINASE
;             KINASES
;   NUMBER OF SEQUENCES: 16
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Fish & Richardson P.C.
;     STREET: 225 Franklin Street
;     CITY: Boston
;     STATE: MA
;     COUNTRY: USA
;     ZIP: 02110-2804
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/11/111,239
;     FILING DATE: 21-Apr-2005
;     CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US/09/761,569
;     FILING DATE: 16-Jan-2001
;     APPLICATION NUMBER: 09/057,009
;     FILING DATE: 1998-04-07
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Fasse, J. Peter
;     REGISTRATION NUMBER: 32,983
;     REFERENCE/DOCKET NUMBER: 07917/010001
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 617/542-5070
;     TELEFAX: 617/542-8906
;     TELEX: 200154
; INFORMATION FOR SEQ ID NO: 13:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 668 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: Not Relevant
;     TOPOLOGY: linear
;   SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-11-111-239-13

Query Match             70.8%;  Score 34;  DB 7;  Length 668;
Best Local Similarity   71.4%;  Pred. No. 49;
  Matches    5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;
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RESULT 3
US-10-467-657-3200
; Sequence 3200, Application US/10467657
; Publication No. US2005266581A1
; GENERAL INFORMATION:
;   APPLICANT: CHIRON SpA
;   APPLICANT: FONTANA Maria Rita
;   APPLICANT: PIZZA Mariagrazia
;   APPLICANT: MASIGNANI Vega
;   APPLICANT: MONACI Elisabetta
;   TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
;   FILE REFERENCE:
;   CURRENT APPLICATION NUMBER: US/10/467,657
;   CURRENT FILING DATE:  2003-08-11
;   PRIOR APPLICATION NUMBER: GB-0103424.8
;   PRIOR FILING DATE: 2001-02-12
;   NUMBER OF SEQ ID NOS: 9218
;   SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 3200
;   LENGTH: 188
;   TYPE: PRT
;   ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3200

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Query Match             68.8%;  Score 33;  DB 6;  Length 188;
Best Local Similarity   83.3%;  Pred. No. 18;
  Matches    5;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         4 DIGHGV 9
              ||||||
Db       124 DIGHGI 129
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RESULT 4
US-11-169-013-1
; Sequence 1, Application US/11169013
; Publication No. US2005244971A1
; GENERAL INFORMATION:
;   APPLICANT: Korea Kumho Petrochemical Co., Ltd.
;   TITLE OF INVENTION: TRANSGENIC PLANTS WITH ENHANCED STRESS TOLERANCE
;   FILE REFERENCE:
;   CURRENT APPLICATION NUMBER: US/11/169,013
;   CURRENT FILING DATE:  2005-06-29
;   NUMBER OF SEQ ID NOS: 34
;   SOFTWARE: KopatentIn 1.71
; SEQ ID NO 1
;   LENGTH: 454
;   TYPE: PRT
;   ORGANISM: Arabidopsis thaliana
US-11-169-013-1

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Query Match             68.8%;  Score 33;  DB 7;  Length 454;
Best Local Similarity   85.7%;  Pred. No. 49;
  Matches    6;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         3 DDIGHGV 9
              ||:|:||
Db       149 DDIGNGV 155
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RESULT 5
US-10-523-477-8
; Sequence 8, Application US/10523477
; Publication No. US2005266406A1
; GENERAL INFORMATION:
;   APPLICANT: EXELIXIS, INC.
;   TITLE OF INVENTION: MAXS AS MODIFIERS OF THE AXIN PATHWAY AND METHODS OF USE
;   FILE REFERENCE: EX03-051C-US
;   CURRENT APPLICATION NUMBER: US/10/523,477
;   CURRENT FILING DATE:  2005-02-04
;   PRIOR APPLICATION NUMBER: US 60/401,534
;   PRIOR FILING DATE: 2002-08-07
;   PRIOR APPLICATION NUMBER: US 60/411,153
;   PRIOR FILING DATE: 2002-09-16
;   NUMBER OF SEQ ID NOS: 14
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
;   LENGTH: 519
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-523-477-8

Query Match          66.7%;   Score 32;   DB 6;   Length 519;
Best Local Similarity   44.4%;   Pred. No. 89;
Matches   4;   Conservative   4;   Mismatches   4;   Indels   1;   Gaps   0;

Qy        1 ILDDIGHGV 9
            ::  : ||||:
Db      169 VVHEIGHGI 177

RESULT 6
US-11-094-586-12
; Sequence 12, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
;  APPLICANT: Allen, Stephen M.
;  APPLICANT: Butler, Karlene H.
;  APPLICANT: Carlson, Thomas J.
;  APPLICANT: Hitz, William D.
;  APPLICANT: Stoop, Johan M.
;  TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
;  FILE REFERENCE: BB1451 USCIP
;  CURRENT APPLICATION NUMBER: US/11/094,586
;  CURRENT FILING DATE: 2005-03-30
;  PRIOR APPLICATION NUMBER: US 09/906,209
;  PRIOR FILING DATE: 2001-07-16
;  PRIOR APPLICATION NUMBER: US 60/218,712
;  PRIOR FILING DATE: 2000-07-17
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 12
;  LENGTH: 626
;  TYPE: PRT
;  ORGANISM: Pisum sativum
US-11-094-586-12

Query Match          66.7%;   Score 32;   DB 7;   Length 626;
Best Local Similarity   71.4%;   Pred. No. 1.1e+02;
Matches   5;   Conservative   1;   Mismatches   1;   Indels   1;   Gaps   0;

Qy        2 LDDIGHG 8
            |:| |||
Db      314 LEDFGHG 320

RESULT 7
US-11-094-586-13
; Sequence 13, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
;  APPLICANT: Allen, Stephen M.
;  APPLICANT: Butler, Karlene H.
;  APPLICANT: Carlson, Thomas J.
;  APPLICANT: Hitz, William D.
;  APPLICANT: Stoop, Johan M.
;  TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
;  FILE REFERENCE: BB1451 USCIP
;  CURRENT APPLICATION NUMBER: US/11/094,586
;  CURRENT FILING DATE: 2005-03-30
;  PRIOR APPLICATION NUMBER: US 09/906,209
;  PRIOR FILING DATE: 2001-07-16
;  PRIOR APPLICATION NUMBER: US 60/218,712
;  PRIOR FILING DATE: 2000-07-17
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 13
;  LENGTH: 626
;  TYPE: PRT
;  ORGANISM: Pisum sativum
US-11-094-586-13

Query Match          66.7%;   Score 32;   DB 7;   Length 626;
Best Local Similarity   71.4%;   Pred. No. 1.1e+02;
Matches   5;   Conservative   1;   Mismatches   1;   Indels   1;   Gaps   0;

Qy        2 LDDIGHG 8
            |:| |||

Qy        2 LDDIGHG 8
          314 LEDFGHG 320

RESULT 8
US-11-094-586-8
; Sequence 8, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
;  APPLICANT: Allen, Stephen M.
;  APPLICANT: Butler, Karlene H.
;  APPLICANT: Carlson, Thomas J.
;  APPLICANT: Hitz, William D.
;  APPLICANT: Stoop, Johan M.
;  TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
;  FILE REFERENCE: BB1451 USCIP
;  CURRENT APPLICATION NUMBER: US/11/094,586
;  CURRENT FILING DATE: 2005-03-30
;  PRIOR APPLICATION NUMBER: US 09/906,209
;  PRIOR FILING DATE: 2001-07-16
;  PRIOR APPLICATION NUMBER: US 60/218,712
;  PRIOR FILING DATE: 2000-07-17
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 8
;  LENGTH: 628
;  TYPE: PRT
;  ORGANISM: Glycine max
US-11-094-586-8

Query Match          66.7%;   Score 32;   DB 7;   Length 628;
Best Local Similarity   71.4%;   Pred. No. 1.1e+02;
Matches   5;   Conservative   1;   Mismatches   1;   Indels   1;   Gaps   0;

Qy        2 LDDIGHG 8
            |:| |||
Db      316 LEDFGHG 322

RESULT 9
US-11-094-586-11
; Sequence 11, Application US/11094586
; Publication No. US20050273886A1
; GENERAL INFORMATION:
;  APPLICANT: Allen, Stephen M.
;  APPLICANT: Butler, Karlene H.
;  APPLICANT: Carlson, Thomas J.
;  APPLICANT: Hitz, William D.
;  APPLICANT: Stoop, Johan M.
;  TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
;  FILE REFERENCE: BB1451 USCIP
;  CURRENT APPLICATION NUMBER: US/11/094,586
;  CURRENT FILING DATE: 2005-03-30
;  PRIOR APPLICATION NUMBER: US 09/906,209
;  PRIOR FILING DATE: 2001-07-16
;  PRIOR APPLICATION NUMBER: US 60/218,712
;  PRIOR FILING DATE: 2000-07-17
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 11
;  LENGTH: 629
;  TYPE: PRT
;  ORGANISM: Brassica napus
US-11-094-586-11

Query Match          66.7%;   Score 32;   DB 7;   Length 629;
Best Local Similarity   71.4%;   Pred. No. 1.1e+02;
Matches   5;   Conservative   1;   Mismatches   1;   Indels   1;   Gaps   0;

Qy        2 LDDIGHG 8
            |:| |||

Db          317  LEDFGHG  323

RESULT 10
US-11-094-586-2
; Sequence 2, Application US/11094586
; Publication No. US2005027386A1
; GENERAL INFORMATION:
;  APPLICANT: Allen, Stephen M.
;  APPLICANT: Butler, Karlene H.
;  APPLICANT: Carlson, Thomas J.
;  APPLICANT: Hitz, William D.
;  APPLICANT: Scoop, Johan M.
;  TITLE OF INVENTION: Plastidic Phosphoglucomutase Genes
;  FILE REFERENCE: BB1451 USCIP
;  CURRENT APPLICATION NUMBER: US/11/094,586
;  CURRENT FILING DATE: 2005-03-30
;  PRIOR APPLICATION NUMBER: US 09/906,209
;  PRIOR FILING DATE: 2001-07-16
;  PRIOR APPLICATION NUMBER: US 60/218,712
;  PRIOR FILING DATE: 2000-07-17
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: Microsoft Office 97 & PatentIn Version 3.3
; SEQ ID NO 2
;  LENGTH: 639
;  TYPE: PRT
;  ORGANISM: Typha latifolia
US-11-094-586-2

Query Match             66.7%;  Score 32;  DB 7;  Length 639;
Best Local Similarity   71.4%;  Pred. No. 1.1e+02;
Matches    5;  Conservative   1;  Mismatches   1;  Indels   1;  Gaps   0;

Qy          2  LDDIGHG  8
               |:|||||
Db        327  LEDFGHG  333

RESULT 11
US-11-075-185-3
; Sequence 3, Application US/11075185
; Publication No. US2005026643A1
; GENERAL INFORMATION:
;  APPLICANT: REEVES, CHRISTOPHER D
;  APPLICANT: JULIEN, BRYAN
;  APPLICANT: REID, RALPH
;  TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMBRUTICINS
;  FILE REFERENCE: 010099.03
;  CURRENT APPLICATION NUMBER: US/11/075,185
;  CURRENT FILING DATE: 2005-03-07
;  PRIOR APPLICATION NUMBER: US 60/551,103
;  PRIOR FILING DATE: 2004-03-08
;  PRIOR APPLICATION NUMBER: US 60/568,290
;  PRIOR FILING DATE: 2004-05-04
;  NUMBER OF SEQ ID NOS: 61
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
;  LENGTH: 1126
;  TYPE: PRT
;  ORGANISM: Sorangium cellulosum
US-11-075-185-3

Query Match             65.6%;  Score 31.5;  DB 7;  Length 1126;
Best Local Similarity   77.8%;  Pred. No. 2.6e+02;
Matches    7;  Conservative   1;  Mismatches   1;  Indels   0;  Gaps   1;

Qy          1  ILDDIGHGV  9
               :||| |||||
Db        883  LLDD-GHGV  890

RESULT 12
US-10-895-064-2577

Db          317  LEDFGHG  323

; Sequence 2577, Application US/10895064
; Publication No. US2006001892A1
; GENERAL INFORMATION:
;  APPLICANT: PEIRIS, JOSEPH S.M.
;  APPLICANT: YUEN, KWOK YUNG
;  APPLICANT: POON, LIT MAN
;  APPLICANT: GUAN, YI
;  APPLICANT: CHAN, KWOK HUNG
;  APPLICANT: NICHOLLS, JOHN M.
;  APPLICANT: LEUNG, FREDERICK C.
;  TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES
;  TITLE OF INVENTION: THEREOF
;  FILE REFERENCE: V0690.0031
;  CURRENT APPLICATION NUMBER: US/10/895,064
;  CURRENT FILING DATE: 2004-07-21
;  NUMBER OF SEQ ID NOS: 2918
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2577
;  LENGTH: 17
;  TYPE: PRT
;  ORGANISM: Coronavirus-HKU1
US-10-895-064-2577

Query Match             64.6%;  Score 31;  DB 6;  Length 17;
Best Local Similarity   57.1%;  Pred. No. 3;
Matches    4;  Conservative   3;  Mismatches   3;  Indels   0;  Gaps   0;

Qy          1  ILDDIGH  7
               |::|:||
Db          7  IIEDVGH  13

RESULT 13
US-10-656-894-4
; Sequence 4, Application US/10656894
; Publication No. US2005026060A1
; GENERAL INFORMATION:
;  APPLICANT: Whitt, Michael
;  TITLE OF INVENTION: RECOMBINANT MUTANTS OF RHABDOVIRUS AND METHODS OF USE THEREO
;  FILE REFERENCE: P-3558-US
;  CURRENT APPLICATION NUMBER: US/10/656,894
;  CURRENT FILING DATE: 2003-09-08
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;  LENGTH: 229
;  TYPE: PRT
;  ORGANISM: Vesicular stomatitis virus
US-10-656-894-4

Query Match             64.6%;  Score 31;  DB 6;  Length 229;
Best Local Similarity   71.4%;  Pred. No. 55;
Matches    5;  Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy          1  ILDDIGH  7
               :|| |||
Db        221  VLDSIGH  227

RESULT 14
US-11-129-143-64
; Sequence 64, Application US/11129143
; Publication No. US2005026518A1
; GENERAL INFORMATION:
;  APPLICANT: BERRY, Alan
;  APPLICANT: BRETZEL, Werner
;  APPLICANT: HUMBELIN, Markus
;  APPLICANT: LOPEZ-ULIBARRI, Rual
;  APPLICANT: MAYER, Anne F.
;  APPLICANT: YELISEEV, Alexei A.
;  TITLE OF INVENTION: IMPROVED ISOPRENOID PRODUCTION
;  FILE REFERENCE: C38435/121966
;  CURRENT APPLICATION NUMBER: US/11/129,143

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;  CURRENT FILING DATE: 2005-05-13
;  NUMBER OF SEQ ID NOS: 197
;  SOFTWARE: PatentIn version 3.1
;  SEQ ID NO 64
;    LENGTH: 286
;    TYPE: PRT
;    ORGANISM: Deinococcus radiodurans
US-11-129-143-64

Query Match        64.6%;  Score 31;  DB 7;  Length 286;
Best Local Similarity   44.4%;  Pred. No. 70;
Matches    4;  Conservative   4;  Mismatches   4;  Indels   1;  Gaps   0;

Qy      1 ILDDIGHGV 9
          |:.::||||:
Db    143 IIKEVGHGL 151


RESULT 15
US-10-878-556A-72
;  Sequence 72, Application US/10878556A
;  Publication No. US20050266399A1
;  GENERAL INFORMATION:
;  APPLICANT: Hoffmann La-Roche Inc.
;  TITLE OF INVENTION: HCV regulated protein expression
;  FILE REFERENCE: 21762
;  CURRENT APPLICATION NUMBER: US/10/878,556A
;  CURRENT FILING DATE:  2004-06-28
;  NUMBER OF SEQ ID NOS: 199
;  SOFTWARE: PatentIn version 3.1
;  SEQ ID NO 72
;    LENGTH: 432
;    TYPE: PRT
;    ORGANISM: Homo sapiens
;  PUBLICATION INFORMATION:
;  DATABASE ACCESSION NUMBER: sw_hum/acdb_human
;  DATABASE ENTRY DATE: 1995-11-01
US-10-878-556A-72

Query Match        64.6%;  Score 31;  DB 6;  Length 432;
Best Local Similarity   75.0%;  Pred. No. 1.1e+02;
Matches    6;  Conservative   0;  Mismatches   2;  Indels   2;  Gaps   0;

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          ||.|||||
Db    275 ILGQIGHG 282


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Title:      US-10-006-177A-8
Perfect score: 42
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched:   572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:   572060

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :  Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
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5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | % Query Match | Query Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 42 | 100.0 | 9 | 2 | US-09-865-548A-151 | Sequence 151, App |
| 2 | 42 | 100.0 | 254 | 2 | US-09-796-149B-4 | Sequence 4, Appli |
| 3 | 42 | 100.0 | 377 | 1 | US-08-969-106-6 | Sequence 6, Appli |
| 4 | 42 | 100.0 | 377 | 2 | US-09-054-492B-1 | Sequence 1, Appli |
| 5 | 42 | 100.0 | 377 | 2 | US-09-338-125-6 | Sequence 6, Appli |
| 6 | 35 | 83.3 | 120 | 2 | US-09-902-540-14885 | Sequence 14885, A |
| 7 | 35 | 83.3 | 303 | 2 | US-09-107-532A-5585 | Sequence 5585, Ap |
| 8 | 34 | 81.0 | 561 | 2 | US-09-107-532A-5323 | Sequence 5323, Ap |
| 9 | 33 | 78.6 | 353 | 2 | US-08-984-288-2 | Sequence 2, Appli |
| 10 | 33 | 78.6 | 353 | 2 | US-09-224-426-4 | Sequence 4, Appli |
| 11 | 33 | 78.6 | 353 | 2 | US-09-478-601-4 | Sequence 4, Appli |
| 12 | 33 | 78.6 | 353 | 2 | US-09-478-602-4 | Sequence 4, Appli |
| 13 | 33 | 78.6 | 353 | 2 | US-09-218-467B-2 | Sequence 2, Appli |
| 14 | 33 | 78.6 | 353 | 2 | US-09-885-478-28 | Sequence 28, Appl |
| 15 | 33 | 78.6 | 353 | 2 | US-09-919-039-127 | Sequence 127, App |
| 16 | 33 | 78.6 | 353 | 2 | US-09-826-509-351 | Sequence 351, App |
| 17 | 33 | 78.6 | 353 | 2 | US-09-826-509-355 | Sequence 355, App |
| 18 | 33 | 78.6 | 353 | 2 | US-09-826-509-363 | Sequence 363, App |
| 19 | 33 | 78.6 | 353 | 2 | US-09-826-509-367 | Sequence 367, App |
| 20 | 33 | 78.6 | 353 | 2 | US-09-826-509-371 | Sequence 371, App |
| 21 | 33 | 78.6 | 353 | 2 | US-09-826-509-375 | Sequence 375, App |
| 22 | 33 | 78.6 | 353 | 2 | US-09-826-509-379 | Sequence 379, App |
| 23 | 33 | 78.6 | 353 | 2 | US-09-826-509-383 | Sequence 383, App |
| 24 | 33 | 78.6 | 353 | 2 | US-09-826-509-387 | Sequence 387, App |
| 25 | 33 | 78.6 | 353 | 2 | US-10-339-111-2 | Sequence 2, Appli |
| 26 | 33 | 78.6 | 353 | 2 | US-10-258-492-3 | Sequence 3, Appli |
| 27 | 33 | 78.6 | 353 | 2 | | |
| 28 | 33 | 78.6 | 353 | 2 | US-10-152-189-2 | Sequence 2, Appli |
| 29 | 33 | 78.6 | 400 | 4 | PCT-US95-16472-2 | Sequence 2, Appli |
| 30 | 33 | 78.6 | 402 | 2 | US-08-602-809-2 | Sequence 2, Appli |
| 31 | 33 | 78.6 | 402 | 2 | US-09-170-496D-52 | Sequence 52, Appl |
| 32 | 33 | 78.6 | 402 | 2 | US-09-170-496D-192 | Sequence 192, App |
| 33 | 33 | 78.6 | 422 | 2 | US-09-224-426-2 | Sequence 2, Appli |
| 34 | 33 | 78.6 | 422 | 2 | US-09-478-601-2 | Sequence 2, Appli |
| 35 | 33 | 78.6 | 422 | 2 | US-09-478-602-2 | Sequence 2, Appli |
| 36 | 33 | 78.6 | 422 | 2 | US-09-885-478-2 | Sequence 2, Appli |
| 37 | 33 | 78.6 | 422 | 2 | US-09-885-478-26 | Sequence 26, Appl |
| 38 | 33 | 78.6 | 422 | 2 | US-09-885-478-27 | Sequence 27, Appl |
| 39 | 33 | 78.6 | 422 | 2 | US-10-258-492-9 | Sequence 9, Appli |
| 40 | 33 | 78.6 | 446 | 2 | US-09-826-509-359 | Sequence 359, App |
| 41 | 33 | 78.6 | 709 | 2 | US-09-826-509-589 | Sequence 589, App |
| 42 | 32 | 76.2 | 554 | 2 | US-09-902-540-15061 | Sequence 15061, A |
| 43 | 32 | 76.2 | 725 | 2 | US-09-252-991A-24201 | Sequence 24201, A |
| 44 | 31 | 73.8 | 65 | 2 | US-09-352-078-3 | Sequence 3, Appli |
| 45 | 31 | 73.8 | 82 | 2 | US-08-722-719-60 | Sequence 60, Appl |

## ALIGNMENTS

RESULT 1
US-09-865-548A-151
; Sequence 151, Application US/09865548A
; Patent No. 6867283
; GENERAL INFORMATION:
; APPLICANT: Barnea, Eilon
; APPLICANT: Beer, Ilan
; APPLICANT: Ziv, Tamar
; APPLICANT: Admon, Arie
; TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
; TITLE OF INVENTION: PEPTIDES IDENTIFIED THEREBY AND THEIR USES
; FILE REFERENCE: 01/22080
; CURRENT APPLICATION NUMBER: US/09/865,548A
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: US 60/290,958
; PRIOR FILING DATE: 2001-05-16
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-09-865-548A-151

Query Match             100.0%;  Score 42;  DB 2;  Length 9;
Best Local Similarity   100.0%;  Pred. No. 4.6e+05;
Matches    9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy     1 LLDRFLATV 9
           |||||||||
Db     1 LLDRFLATV 9

RESULT 2
US-09-796-149B-4
; Sequence 4, Application US/09796149B
; Patent No. 6825033
; GENERAL INFORMATION:
; APPLICANT: Univ. of Southern California
; TITLE OF INVENTION: Mutated cyclin G1 protein
; FILE REFERENCE: 4-31342A/USC
; CURRENT APPLICATION NUMBER: US/09/796,149B
; CURRENT FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; TYPE: PRT
; LENGTH: 254

; ORGANISM: Homo sapiens
US-09-796-149B-4

Query Match          100.0%;  Score 42;  DB 2;  Length 254;
Best Local Similarity 100.0%;  Pred. No. 0.9;
Matches   9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Qy     1  LLDRFLATV 9
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Db    33  LLDRFLATV 41
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RESULT 3
US-08-969-106-6
; Sequence 6, Application US/08969106
; Patent No. 5986055
; GENERAL INFORMATION:
;   APPLICANT: Yang, M.
;   APPLICANT: Nandabalan, K.
;   APPLICANT: Schulz, V.
;   TITLE OF INVENTION: CDK2 INTERACTIONS
;   NUMBER OF SEQUENCES: 15
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Pennie & Edmonds LLP
;     STREET: 1155 Avenue of the Americas
;     CITY: New York
;     STATE: New York
;     COUNTRY: USA
;     ZIP: 10036
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette
;     COMPUTER: IBM Compatible
;     OPERATING SYSTEM: DOS
;     SOFTWARE: FastSEQ Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/969,106
;     FILING DATE: 13-NOV-1997
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Misrock, S. Leslie
;     REGISTRATION NUMBER: 18,872
;     REFERENCE/DOCKET NUMBER: 7934-057
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 212-790-9090
;     TELEFAX: 212-869-9741
;     TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 435 amino acids
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: unknown
;   MOLECULE TYPE: protein
US-08-969-106-6

Query Match          100.0%;  Score 42;  DB 1;  Length 377;
Best Local Similarity 100.0%;  Pred. No. 1.4;
Matches   9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Qy     1  LLDRFLATV 9
          |||||||||
Db    72  LLDRFLATV 80
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RESULT 4
US-09-054-492B-1
; Sequence 1, Application US/09054492B
; Patent No. 6218115
; GENERAL INFORMATION:
;   APPLICANT: TAKESHI NAKAMURA
;   TITLE OF INVENTION: HUMAN CYCLIN I AND GENES ENCODING SAME
;   NUMBER OF SEQUENCES: 5
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: PILLSBURY, MADISON & SUTRO
;     STREET: 1100 NEW YORK AVENUE, N.W.
;     CITY: WASHINGTON
;     STATE: D.C.
;     COUNTRY: U.S.A.
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: FLOPPY DISK
;     COMPUTER: IBM PC COMPATIBLE
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/054,492B
;     FILING DATE: APRIL 3, 1998
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: PAUL E. WHITE, JR.
;     REGISTRATION NUMBER: 32,011
;     REFERENCE/DOCKET NUMBER: 7898/252159
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202) 861-3000
;     TELEFAX: (202) 822-0944
;     TELEX: 6714627CUSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 377
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: peptide
US-09-054-492B-1

Query Match          100.0%;  Score 42;  DB 2;  Length 377;
Best Local Similarity 100.0%;  Pred. No. 1.4;
Matches   9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Qy     1  LLDRFLATV 9
          |||||||||
Db    72  LLDRFLATV 80
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RESULT 5
US-09-338-125-6
; Sequence 6, Application US/09338125
; Patent No. 652412
; GENERAL INFORMATION:
;   APPLICANT: Yang, M.
;   APPLICANT: Nandabalan, K.
;   APPLICANT: Schulz, V.
;   TITLE OF INVENTION: CDK2 INTERACTIONS
;   NUMBER OF SEQUENCES: 15
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Pennie & Edmonds LLP
;     STREET: 1155 Avenue of the Americas
;     CITY: New York
;     STATE: New York
;     COUNTRY: USA
;     ZIP: 10036
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette
;     COMPUTER: IBM Compatible
;     OPERATING SYSTEM: DOS
;     SOFTWARE: FastSEQ Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/338,125
;     FILING DATE:
;     CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US/08/969,106
;     FILING DATE: 13-NOV-1997
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Misrock, S. Leslie
;     REGISTRATION NUMBER: 18,872
;     REFERENCE/DOCKET NUMBER: 7934-057

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      TELECOMMUNICATION INFORMATION:
        TELEPHONE: 212-790-9090
        TELEFAX: 212-869-9741
        TELEX: 66141 PENNIE
    INFORMATION FOR SEQ ID NO: 6:
      SEQUENCE CHARACTERISTICS:
        LENGTH: 377 amino acids
        TYPE: amino acid
        STRANDEDNESS:
        TOPOLOGY: unknown
      MOLECULE TYPE: protein
  US-09-338-125-6

  Query Match       100.0%;   Score 42;  DB 2;   Length 377;
  Best Local Similarity  100.0%;   Pred. No. 1.4;
  Matches   9;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

  Qy    1 LLDRFLATV 9
          |||||||||
  Db   72 LLDRFLATV 80

  RESULT 6
  US-09-902-540-14885
  ; Sequence 14885, Application US/09902540
  ; Patent No. 6833447
  ; GENERAL INFORMATION:
  ; APPLICANT: Goldman, Barry S.
  ; APPLICANT: Hinkle, Gregory J.
  ; APPLICANT: Slater, Steven C.
  ; APPLICANT: Wiegand, Roger C.
  ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
  ; FILE REFERENCE: 38-10(15849)B
  ; CURRENT APPLICATION NUMBER: US/09/902,540
  ; CURRENT FILING DATE: 2001-07-10
  ; PRIOR APPLICATION NUMBER: 60/217,883
  ; PRIOR FILING DATE: 2000-07-10
  ; NUMBER OF SEQ ID NOS: 16825
  ; SEQ ID NO 14885
  ;   LENGTH: 120
  ;   TYPE: PRT
  ;   ORGANISM: Myxococcus xanthus
  US-09-902-540-14885

  Query Match       83.3%;   Score 35;  DB 2;   Length 120;
  Best Local Similarity  88.9%;   Pred. No. 10;
  Matches   8;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

  Qy    1 LLDRFLATV 9
          ||| |||||
  Db  111 LLDGFLATV 119

  RESULT 7
  US-09-107-532A-5585
  ; Sequence 5585, Application US/09107532A
  ; Patent No. 6583275
  ; GENERAL INFORMATION:
  ; APPLICANT: Lynn A Doucette-Stamm  and David Bush
  ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
  ;   ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
  ; NUMBER OF SEQUENCES: 7310
  ; CORRESPONDENCE ADDRESS:
  ;   ADDRESSEE: GENOME THERAPEUTICS CORPORATION
  ;   STREET: 100 Beaver Street
  ;   CITY: Waltham
  ;   STATE: Massachusetts
  ;   COUNTRY: USA
  ;   ZIP: 02354
  ; COMPUTER READABLE FORM:
  ;   MEDIUM TYPE: CD/ROM ISO9660
  ;   COMPUTER: PC
  ;   OPERATING SYSTEM: <Unknown>


      SOFTWARE: ASCII
  ; CURRENT APPLICATION DATA:
  ;   APPLICATION NUMBER: US/09/107,532A
  ;   FILING DATE: 30-Jun-1998
  ; PRIOR APPLICATION DATA:
  ;   APPLICATION NUMBER: 60/085,598
  ;   FILING DATE: 14 May 1998
  ;   APPLICATION NUMBER: 60/051571
  ;   FILING DATE: July 2, 1997
  ; ATTORNEY/AGENT INFORMATION:
  ;   NAME: Ariniello, Pamela Deneke
  ;   REGISTRATION NUMBER: 40,489
  ;   REFERENCE/DOCKET NUMBER: GTC-012
  ; TELECOMMUNICATION INFORMATION:
  ;   TELEPHONE: (781)893-5007
  ;   TELEFAX: (781)893-8277
  ; INFORMATION FOR SEQ ID NO: 5585:
  ;   SEQUENCE CHARACTERISTICS:
  ;     LENGTH: 303 amino acids
  ;     TYPE: amino acid
  ;     TOPOLOGY: linear
  ;   MOLECULE TYPE: protein
  ;   HYPOTHETICAL: YES
  ;   ORIGINAL SOURCE:
  ;     ORGANISM: Enterococcus faecium
  ;   FEATURE:
  ;     NAME/KEY: misc_feature
  ;     LOCATION: (B) LOCATION 1...303
  ;   SEQUENCE DESCRIPTION: SEQ ID NO: 5585:
  US-09-107-532A-5585

  Query Match       83.3%;   Score 35;  DB 2;   Length 303;
  Best Local Similarity  77.8%;   Pred. No. 28;
  Matches   7;  Conservative  1;  Mismatches  1;  Indels  0;  Gaps  0;

  Qy    1 LLDRFLATV 9
          ||||||:
  Db   98 LLDRFLVTL 106

  RESULT 8
  US-09-107-532A-5323
  ; Sequence 5323, Application US/09107532A
  ; Patent No. 6583275
  ; GENERAL INFORMATION:
  ; APPLICANT: Lynn A Doucette-Stamm  and David Bush
  ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
  ;   ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
  ; NUMBER OF SEQUENCES: 7310
  ; CORRESPONDENCE ADDRESS:
  ;   ADDRESSEE: GENOME THERAPEUTICS CORPORATION
  ;   STREET: 100 Beaver Street
  ;   CITY: Waltham
  ;   STATE: Massachusetts
  ;   COUNTRY: USA
  ;   ZIP: 02354
  ; COMPUTER READABLE FORM:
  ;   MEDIUM TYPE: CD/ROM ISO9660
  ;   COMPUTER: PC
  ;   OPERATING SYSTEM: <Unknown>
  ;   SOFTWARE: ASCII
  ; CURRENT APPLICATION DATA:
  ;   APPLICATION NUMBER: US/09/107,532A
  ;   FILING DATE: 30-Jun-1998
  ; PRIOR APPLICATION DATA:
  ;   APPLICATION NUMBER: 60/085,598
  ;   FILING DATE: 14 May 1998
  ;   APPLICATION NUMBER: 60/051571
  ;   FILING DATE: July 2, 1997
  ; ATTORNEY/AGENT INFORMATION:
  ;   NAME: Ariniello, Pamela Deneke
  ;   REGISTRATION NUMBER: 40,489
  ;   REFERENCE/DOCKET NUMBER: GTC-012
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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (781)893-5007
;      TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 5323:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 561 amino acids
;      TYPE: amino acid
;      TOPOLOGY: linear
;    MOLECULE TYPE: protein
;    HYPOTHETICAL: YES
;    ORIGINAL SOURCE:
;      ORGANISM: Enterococcus faecium
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION: (B) LOCATION 1...561
;    SEQUENCE DESCRIPTION: SEQ ID NO: 5323:
US-09-107-532A-5323

Query Match             81.0%;  Score 34;  DB 2;  Length 561;
Best Local Similarity   75.0%;  Pred. No. 87;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:|||
Db         16 IDRFLATV 23


RESULT 9
US-08-984-288-2
; Sequence 2, Application US/08984288
; Patent No. 6033872
; GENERAL INFORMATION:
;    APPLICANT: BERGSMA, DERK
;    APPLICANT: ELLIS, CATHERINE
;    TITLE OF INVENTION: NOVEL HUMAN 11CB SPLICE V
;    TITLE OF INVENTION: ARIANT
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: RATNER & PRESTIA
;      STREET: P.O. BOX 980
;      CITY: VALLEY FORGE
;      STATE: PA
;      COUNTRY: USA
;      ZIP: 19482
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Diskette
;      COMPUTER: IBM Compatible
;      OPERATING SYSTEM: DOS
;      SOFTWARE: FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/984,288
;      FILING DATE:  03-DEC-1997
;    CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 60/032,763
;      FILING DATE:  11-DEC-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME: PRESTIA, PAUL F
;      REGISTRATION NUMBER: 23,031
;      REFERENCE/DOCKET NUMBER: P50599
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 610-407-0700
;      TELEFAX: 610-407-0701
;      TELEX: 846169
INFORMATION FOR SEQ ID NO: 2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH: 353 amino acids
;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;    MOLECULE TYPE: protein
US-08-984-288-2
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Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:|||
Db        139 IDRYLATV 146


RESULT 10
US-09-224-426-4
; Sequence 4, Application US/09224426
; Patent No. 6221613
; GENERAL INFORMATION:
;    APPLICANT: Salon, John A
;    APPLICANT: Laz, Thomas M .
;    APPLICANT: Nagorny, Raisa
;    APPLICANT: Wilson, Amy E.
;    TITLE OF INVENTION: DNA Encoding A Human Melanin Concentrating Hormone
;    TITLE OF INVENTION: Receptor (MCH1) And Uses Thereof
;    FILE REFERENCE: 57453/JPW/JHB
;    CURRENT APPLICATION NUMBER: US/09/224,426
;    CURRENT FILING DATE: 1998-12-31
;    NUMBER OF SEQ ID NOS: 15
;    SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 4
;    LENGTH: 353
;    TYPE: PRT
;    ORGANISM: rat
US-09-224-426-4

Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:|||
Db        139 IDRYLATV 146


RESULT 11
US-09-478-601-4
; Sequence 4, Application US/09478601
; Patent No. 6221616
; GENERAL INFORMATION:
;    APPLICANT: Salon, John A.
;    APPLICANT: Laz, Thomas M.
;    APPLICANT: Nagorny, Raisa
;    APPLICANT: Wilson, Amy E.
;    TITLE OF INVENTION: DNA Encoding A Human Melanin Concentrating Hormone
;    TITLE OF INVENTION: Receptor (MCH1) And Uses Thereof
;    FILE REFERENCE: 57453z\JPW
;    CURRENT APPLICATION NUMBER: US/09/478,601
;    CURRENT FILING DATE: 2000-01-06
;    EARLIER APPLICATION NUMBER: 09/224,426
;    EARLIER FILING DATE: 1998-12-31
;    NUMBER OF SEQ ID NOS: 15
;    SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;    LENGTH: 353
;    TYPE: PRT
;    ORGANISM: Rattus norvegicus
US-09-478-601-4

Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:|||
Db        139 IDRYLATV 146
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RESULT 12
US-09-478-602-4
; Sequence 4, Application US/09478602
; Patent No. 6291195
; GENERAL INFORMATION:
; APPLICANT: Salon, John A.
; APPLICANT: Laz, Thomas M.
; APPLICANT: Nagorny, Raisa
; APPLICANT: Wilson, Amy E.
; TITLE OF INVENTION: DNA Encoding A Human Melanin Concentrating Hormone
; TITLE OF INVENTION: Receptor (MCH1) And Uses Thereof
; FILE REFERENCE: 57453y\JPW
; CURRENT APPLICATION NUMBER: US/09/478,602
; CURRENT FILING DATE: 2000-01-06
; EARLIER APPLICATION NUMBER: 09/224,426
; EARLIER FILING DATE: 1998-12-31
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 353
;   TYPE: PRT
;   ORGANISM: Rattus norvegicus
US-09-478-602-4

Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:||||
Db        139 IDRYLATV 146


RESULT 13
US-09-218-467B-2
; Sequence 2, Application US/09218467B
; Patent No. 6362326
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: ELLIS, CATHERINE
; APPLICANT: HALSEY, WENDY
; APPLICANT: BERGSMA DERK
; TITLE OF INVENTION: 11cby Genomic Sequence
; FILE REFERENCE: GP-50010
; CURRENT APPLICATION NUMBER: US/09/218,467B
; CURRENT FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 353
;   TYPE: PRT
;   ORGANISM: HOMO SAPIENS
US-09-218-467B-2

Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:||||
Db        139 IDRYLATV 146


RESULT 14
US-09-885-478-4
; Sequence 4, Application US/09885478
; Patent No. 6723552
; GENERAL INFORMATION:
; APPLICANT: SALON, JOHN A
; APPLICANT: LAZ, THOMAS M
; APPLICANT: NAGORNY, RAISA
; APPLICANT: WILSON, AMY E
; TITLE OF INVENTION: DNA ENCODING A HUMAN MELANIN CONCENTRATING HORMONE RECEPTOR (MCH1
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 1795/57453-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/885,478
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: PCT/US99/31169
; PRIOR FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 353
;   TYPE: PRT
;   ORGANISM: RATTUS NORVEGICUS
US-09-885-478-4

Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:||||
Db        139 IDRYLATV 146


RESULT 15
US-09-885-478-28
; Sequence 28, Application US/09885478
; Patent No. 6723552
; GENERAL INFORMATION:
; APPLICANT: SALON, JOHN A
; APPLICANT: LAZ, THOMAS M
; APPLICANT: NAGORNY, RAISA
; APPLICANT: WILSON, AMY E
; TITLE OF INVENTION: DNA ENCODING A HUMAN MELANIN CONCENTRATING HORMONE RECEPTOR (MCH1
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 1795/57453-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/885,478
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: PCT/US99/31169
; PRIOR FILING DATE: 1999-12-30
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
;   LENGTH: 353
;   TYPE: PRT
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: MUTATED MCH RECEPTOR
US-09-885-478-28

Query Match             78.6%;  Score 33;  DB 2;  Length 353;
Best Local Similarity   75.0%;  Pred. No. 84;
Matches    6;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              :||:||||
Db        139 IDRYLATV 146


Search completed: February  7, 2006, 12:49:39
Job time : 20.4894 secs

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                    GenCore version 5.1.7
         Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:    February 7, 2006, 13:34:34 ; Search time 64.8191 Seconds
                                (without alignments)
                                58.015 Million cell updates/sec

Title:          US-10-006-177A-8
Perfect score:  42
Sequence:       1 LLDRFLATV 9
Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:       1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:      1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Published Applications AA Main:*
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       2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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       4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
       5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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   Pred. No. is the number of results predicted by chance to have a
   score greater than or equal to the score of the result being printed,
   and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Match | Query Match Length | DB | ID | Description |
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| 1 | 42 | 100.0 | 9 | 3 | US-09-865-548A-151 | Sequence 151, App |
| 2 | 42 | 100.0 | 9 | 3 | US-10-006-177A-8 | Sequence 8, Appli |
| 3 | 42 | 100.0 | 9 | 5 | US-10-705-459-151 | Sequence 151, App |
| 4 | 42 | 100.0 | 10 | 5 | US-10-705-459-321 | Sequence 321, App |
| 5 | 42 | 100.0 | 254 | 3 | US-09-796-149-4 | Sequence 4, Appl |
| 6 | 42 | 100.0 | 377 | 3 | US-09-736-250-1 | Sequence 1, Appli |
| 7 | 42 | 100.0 | 377 | 5 | US-10-485-555-30 | Sequence 30, Appl |
| 8 | 36 | 85.7 | 139 | 4 | US-10-424-599-277337 | Sequence 277337, |
| 9 | 35 | 83.3 | 126 | 4 | US-10-425-115-361998 | Sequence 361998, |
| 10 | 35 | 83.3 | 645 | 5 | US-10-739-930-10518 | Sequence 10518, A |
| 11 | 33 | 78.6 | 123 | 4 | US-10-437-963-166119 | Sequence 166119, |
| 12 | 33 | 78.6 | 190 | 5 | US-10-732-923-2565 | Sequence 2565, Ap |
| 13 | 33 | 78.6 | 228 | 4 | US-10-425-115-323325 | Sequence 323325, |
| 14 | 33 | 78.6 | 239 | 3 | US-09-864-761-38414 | Sequence 38414, A |
| 15 | 33 | 78.6 | 256 | 4 | US-10-156-761-13846 | Sequence 13846, A |
| 16 | 33 | 78.6 | 291 | 5 | US-10-732-923-2912 | Sequence 2912, Ap |
| 17 | 33 | 78.6 | 345 | 4 | US-10-309-515-52 | Sequence 52, Appl |
| 18 | 33 | 78.6 | 345 | 4 | US-10-126-764-52 | Sequence 52, Appl |
| 19 | 33 | 78.6 | 347 | 4 | US-10-309-515-60 | Sequence 60, Appl |
| 20 | 33 | 78.6 | 352 | 4 | US-10-309-515-48 | Sequence 48, Appl |
| 21 | 33 | 78.6 | 352 | 4 | US-10-126-764-48 | Sequence 48, Appl |
| 22 | 33 | 78.6 | 353 | 3 | US-09-925-776-2 | Sequence 2, Appli |
| 23 | 33 | 78.6 | 353 | 3 | US-09-895-686-2 | Sequence 2, Appli |
| 24 | 33 | 78.6 | 353 | 3 | US-09-885-478-4 | Sequence 4, Appli |
| 25 | 33 | 78.6 | 353 | 3 | US-09-885-478-28 | Sequence 28, Appl |
| 26 | 33 | 78.6 | 353 | 3 | US-09-899-732-4 | Sequence 4, Appli |
| 27 | 33 | 78.6 | 353 | 3 | US-09-964-923A-9 | Sequence 9, Appli |
| 28 | 33 | 78.6 | 353 | 3 | US-09-919-039-127 | Sequence 127, App |
| 29 | 33 | 78.6 | 353 | 3 | US-09-826-509-351 | Sequence 351, App |
| 30 | 33 | 78.6 | 353 | 3 | US-09-826-509-355 | Sequence 355, App |
| 31 | 33 | 78.6 | 353 | 3 | US-09-826-509-363 | Sequence 363, App |
| 32 | 33 | 78.6 | 353 | 3 | US-09-826-509-367 | Sequence 367, App |
| 33 | 33 | 78.6 | 353 | 3 | US-09-826-509-371 | Sequence 371, App |
| 34 | 33 | 78.6 | 353 | 3 | US-09-826-509-375 | Sequence 375, App |
| 35 | 33 | 78.6 | 353 | 3 | US-09-826-509-379 | Sequence 379, App |
| 36 | 33 | 78.6 | 353 | 3 | US-09-826-509-383 | Sequence 383, App |
| 37 | 33 | 78.6 | 353 | 3 | US-09-826-509-387 | Sequence 387, App |
| 38 | 33 | 78.6 | 353 | 4 | US-10-029-314-4 | Sequence 4, Appli |
| 39 | 33 | 78.6 | 353 | 4 | US-10-029-314-28 | Sequence 28, Appl |
| 40 | 33 | 78.6 | 353 | 4 | US-10-221-461-2 | Sequence 2, Appli |
| 41 | 33 | 78.6 | 353 | 4 | US-10-221-461-3 | Sequence 3, Appli |
| 42 | 33 | 78.6 | 353 | 4 | US-10-221-461-4 | Sequence 4, Appli |
| 43 | 33 | 78.6 | 353 | 4 | US-10-182-509-4 | Sequence 4, Appli |
| 44 | 33 | 78.6 | 353 | 4 | US-10-309-515-2 | Sequence 2, Appli |
| 45 | 33 | 78.6 | 353 | 4 | US-10-309-515-6 | Sequence 6, Appli |

ALIGNMENTS

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RESULT 1
US-09-865-548A-151
; Sequence 151, Application US/09865548A
; Publication No. US2003009629 8A1
; GENERAL INFORMATION:
; APPLICANT: Barnea, Eilon
; APPLICANT: Beer, Ilan
; APPLICANT: Ziv, Tamar
; APPLICANT: Admon, Arie
; TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
; TITLE OF INVENTION: PEPTIDES IDENTIFIED THEREBY AND THEIR USES
; FILE REFERENCE: 01/22080
; CURRENT APPLICATION NUMBER: US/09/865,548A
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: US 60/290,958
; PRIOR FILING DATE: 2001-05-16
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-09-865-548A-151

Query Match             100.0%;  Score 42;  DB 3;  Length 9;
Best Local Similarity   100.0%;  Pred. No. 1.7e+06;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 LLDRFLATV 9
            |||||||||
Db        1 LLDRFLATV 9

RESULT 2
US-10-006-177-8
; Sequence 8, Application US/10006177
; Publication No. US2003016551 3A1
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; TITLE OF INVENTION: Diagnosis of Cancer
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
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; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Epitopic Peptide
US-10-006-177-8

Query Match             100.0%;  Score 42;  DB 4;  Length 9;
Best Local Similarity   100.0%;  Pred. No. 1.7e+06;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LLDRFLATV 9
              |||||||||
Db          1 LLDRFLATV 9

RESULT 3
US-10-705-459-151
; Sequence 151, Application US/10705459
; Publication No. US20050053918A1
; GENERAL INFORMATION:
;  APPLICANT: Barnea , Eilon
;  APPLICANT: Beer , Ilan
;  APPLICANT: Ziv, Tamar
;  APPLICANT: Admon, Arie
;  APPLICANT: Dassau, Lior
;  APPLICANT: Buchsbaum, Samuel
;  TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
;  TITLE OF INVENTION: PEPTIDES IDENTIFIED THEREBY AND THEIR USES
;  FILE REFERENCE: 26884
;  CURRENT APPLICATION NUMBER: US/10/705,459
;  CURRENT FILING DATE: 2003-11-12
;  NUMBER OF SEQ ID NOS: 372
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-705-459-151

Query Match             100.0%;  Score 42;  DB 5;  Length 9;
Best Local Similarity   100.0%;  Pred. No. 1.7e+06;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LLDRFLATV 9
              |||||||||
Db          1 LLDRFLATV 9

RESULT 4
US-10-705-459-321
; Sequence 321, Application US/10705459
; Publication No. US20050053918A1
; GENERAL INFORMATION:
;  APPLICANT: Barnea , Eilon
;  APPLICANT: Beer , Ilan
;  APPLICANT: Ziv, Tamar
;  APPLICANT: Admon, Arie
;  APPLICANT: Dassau, Lior
;  APPLICANT: Buchsbaum, Samuel
;  TITLE OF INVENTION: METHOD OF IDENTIFYING PEPTIDES CAPABLE OF BINDING TO MHC MOLECULE
;  TITLE OF INVENTION: PEPTIDES IDENTIFIED THEREBY AND THEIR USES
;  FILE REFERENCE: 26884
;  CURRENT APPLICATION NUMBER: US/10/705,459
;  CURRENT FILING DATE: 2003-11-12
;  NUMBER OF SEQ ID NOS: 372

;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 321
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-705-459-321

Query Match             100.0%;  Score 42;  DB 5;  Length 10;
Best Local Similarity   100.0%;  Pred. No. 0.11;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LLDRFLATV 9
              |||||||||
Db          2 LLDRFLATV 10

RESULT 5
US-09-796-149-4
; Sequence 4, Application US/09796149
; Patent No. US20020035079A1
; GENERAL INFORMATION:
;  APPLICANT: Univ. of Southern California
;  TITLE OF INVENTION: Mutated cyclin G1 protein
;  FILE REFERENCE: 4-31342A/USC
;  CURRENT APPLICATION NUMBER: US/09/796,149
;  CURRENT FILING DATE: 2001-02-28
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-149-4

Query Match             100.0%;  Score 42;  DB 3;  Length 254;
Best Local Similarity   100.0%;  Pred. No. 3.1;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LLDRFLATV 9
              |||||||||
Db         33 LLDRFLATV 41

RESULT 6
US-09-736-250-1
; Sequence 1, Application US/09736250
; Publication No. US2005014139A1
; GENERAL INFORMATION:
;  APPLICANT: SUMITOMO ELECTRIC INDUSTRIES, LTD.
;  APPLICANT: NAKAMURA, Takeshi
;  TITLE OF INVENTION: HUMAN CYCLIN I AND GENES ENCODING THE SAME
;  FILE REFERENCE: 050212-0278
;  CURRENT APPLICATION NUMBER: US/09/736,250
;  CURRENT FILING DATE: 2000-12-15
;  PRIOR APPLICATION NUMBER: 09/054,492
;  PRIOR FILING DATE: 1998-04-03
;  PRIOR APPLICATION NUMBER: PCT/JP96/02905
;  PRIOR FILING DATE: 1996-10-07
;  PRIOR APPLICATION NUMBER: 284663/1995
;  PRIOR FILING DATE: 1995-10-05
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 377
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-736-250-1

Query Match             100.0%;  Score 42;  DB 3;  Length 377;
Best Local Similarity   100.0%;  Pred. No. 4.6;
Matches    9;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy    1 LLDRFLATV 9
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Db   72 LLDRFLATV 80
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RESULT 7
US-10-485-555-30
; Sequence 30, Application US/10485555
; Publication No. US2005012039JA1
; GENERAL INFORMATION:
; APPLICANT: OriGene Technologies, Inc.
; TITLE OF INVENTION: Full Length Prostate Specific Polynucleotides and Polypeptides
; FILE REFERENCE: 9U 101.2 PCT
; CURRENT APPLICATION NUMBER: US/10/485,555
; CURRENT FILING DATE: 2004-02-03
; PRIOR APPLICATION NUMBER: US 60/309,470
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/330,747
; PRIOR FILING DATE: 2001-10-30
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 377
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-555-30

Query Match   100.0%; Score 42; DB 5; Length 377;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 LLDRFLATV 9
        ||||||||||
Db   72 LLDRFLATV 80
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RESULT 8
US-10-424-599-277337
; Sequence 277337, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 277337
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_92459C.1.pep
US-10-424-599-277337

Query Match   85.7%; Score 36; DB 4; Length 139;
Best Local Similarity 77.8%; Pred. No. 27;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 LLDRFLATV 9
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Db   81 LLDKYLATV 89
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RESULT 9
US-10-425-115-361998
; Sequence 361998, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 361998
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(126)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_93318C.1.pep
US-10-425-115-361998

Query Match   83.3%; Score 35; DB 4; Length 126;
Best Local Similarity 87.5%; Pred. No. 38;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 LLDRFLAT 8
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Db   97 VLDRFLAT 104
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RESULT 10
US-10-739-930-10518
; Sequence 10518, Application US/10739930
; Publication No. US20040216190A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT
; FILE REFERENCE: 38-21(53377)B
; CURRENT APPLICATION NUMBER: US/10/739,930
; CURRENT FILING DATE: 2003-12-18
; NUMBER OF SEQ ID NOS: 11088
; SEQ ID NO 10518
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(645)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: TRIAE-23APR03-C460_1.p
US-10-739-930-10518

Query Match   83.3%; Score 35; DB 5; Length 645;
Best Local Similarity 87.5%; Pred. No. 2e+02;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 LLDRFLAT 8
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Db  300 LLDRFLST 307
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RESULT 11
US-10-437-963-166119
; Sequence 166119, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua

```
;   APPLICANT:  Cao, Yongwei
;   APPLICANT:  Wu, Wei
;   APPLICANT:  Boukharov, Andrey A.
;   APPLICANT:  Barbazuk, Brad
;   APPLICANT:  Li, Ping
;   TITLE OF INVENTION:  Rice Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION:  Plants and Uses Thereof for Plant Improvement
;   FILE REFERENCE: 38-21(53221)B
;   CURRENT APPLICATION NUMBER: US/10/437,963
;   CURRENT FILING DATE:  2003-05-14
;   NUMBER OF SEQ ID NOS: 204966
;   SEQ ID NO 166119
;   LENGTH: 123
;   TYPE: PRT
;   ORGANISM: Oryza sativa
;   FEATURE:
;   OTHER INFORMATION: Clone ID: PAT_MRT4530_6485C.1.pep
US-10-437-963-166119

Query Match             78.6%;  Score 33;  DB 4;  Length 123;
Best Local Similarity   100.0%;  Pred. No. 94;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LLDRFLA 7
              |||||||
Db         46 LLDRFLA 52

RESULT 12
US-10-732-923-2565
; Sequence 2565, Application US/10732923
; Publication No. US2005010879 1A1
; GENERAL INFORMATION:
;   APPLICANT: Edgerton, Michael D
;   TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
;   FILE REFERENCE: 38-15(52796)C
;   CURRENT APPLICATION NUMBER: US/10/732,923
;   CURRENT FILING DATE:  2003-12-10
;   PRIOR APPLICATION NUMBER: 10/310,154
;   PRIOR FILING DATE:  2002-12-04
;   NUMBER OF SEQ ID NOS: 24149
;   SEQ ID NO 2565
;   LENGTH: 190
;   TYPE: PRT
;   ORGANISM: Stizostedion vitreum
US-10-732-923-2565

Query Match             78.6%;  Score 33;  DB 5;  Length 190;
Best Local Similarity   87.5%;  Pred. No. 1.5e+02;
Matches    7;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          2 LDRFLATV 9
              ||||| ||
Db         23 LDRFLAVV 30

RESULT 13
US-10-425-115-323325
; Sequence 323325, Application US/10425115
; Publication No. US2004021427 2A1
; GENERAL INFORMATION:
;   APPLICANT:  La Rosa, Thomas J.
;   APPLICANT:  Zhou, Yihua
;   APPLICANT:  Kovalic, David K.
;   APPLICANT:  Cao, Yongwei
;   TITLE OF INVENTION:  Nucleic Acid Molecules and Other Molecules Associated With
;   TITLE OF INVENTION:  Plants
;   FILE REFERENCE: 38-21(53222)B
;   CURRENT APPLICATION NUMBER: US/10/425,115
;   CURRENT FILING DATE:  2003-04-28
;   NUMBER OF SEQ ID NOS: 369326
;   SEQ ID NO 323325
;   LENGTH: 228
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;   TYPE: PRT
;   ORGANISM: Zea mays
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(228)
;   OTHER INFORMATION: unsure at all Xaa locations
;   FEATURE:
;   OTHER INFORMATION: Clone ID: MRT4577_57944C.1.pep
US-10-425-115-323325

Query Match             78.6%;  Score 33;  DB 4;  Length 228;
Best Local Similarity   100.0%;  Pred. No. 1.8e+02;
Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LLDRFLA 7
              |||||||
Db        177 LLDRFLA 183

RESULT 14
US-09-864-761-38414
; Sequence 38414, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;   APPLICANT: Penn, Sharron G.
;   APPLICANT: Rank, David R.
;   APPLICANT: Hanzel, David K.
;   APPLICANT: Chen, Wensheng
;   TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;   TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
;   FILE REFERENCE: Aeonica-X-1
;   CURRENT APPLICATION NUMBER: US/09/864,761
;   CURRENT FILING DATE:  2001-05-23
;   PRIOR APPLICATION NUMBER: US 60/180,312
;   PRIOR FILING DATE:  2000-02-04
;   PRIOR APPLICATION NUMBER: US 60/207,456
;   PRIOR FILING DATE:  2000-05-26
;   PRIOR APPLICATION NUMBER: US 09/632,366
;   PRIOR FILING DATE:  2000-08-03
;   PRIOR APPLICATION NUMBER: GB 24263.6
;   PRIOR FILING DATE:  2000-10-04
;   PRIOR APPLICATION NUMBER: US 60/236,359
;   PRIOR FILING DATE:  2000-09-27
;   PRIOR APPLICATION NUMBER: PCT/US01/00666
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00667
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00669
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00664
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00665
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00668
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00663
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00662
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00661
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: PCT/US01/00670
;   PRIOR FILING DATE:  2001-01-30
;   PRIOR APPLICATION NUMBER: US 60/234,687
;   PRIOR FILING DATE:  2000-09-21
;   PRIOR APPLICATION NUMBER: US 09/608,408
;   PRIOR FILING DATE:  2000-06-30
;   PRIOR APPLICATION NUMBER: US 09/774,203
;   PRIOR FILING DATE:  2001-01-29
;   NUMBER OF SEQ ID NOS: 49117
;   SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
;   SEQ ID NO 38414
;   LENGTH: 239
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;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO 286090.10
;   OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.67
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.78
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.74
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.2
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
;   OTHER INFORMATION: EST HUMAN HIT: BE701073.1, EVALUE 6.00e-44
;   OTHER INFORMATION: SWISSPROT HIT: Q99705, EVALUE 0.00e+00
US-09-864-761-38414

Query Match             78.6%;  Score 33;  DB 3;  Length 239;
Best Local Similarity   75.0%;  Pred. No. 1.9e+02;
Matches      6;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        2 LDRFLATV 9
            :||:||||
Db       25 IDRYLATV 32


RESULT 15
US-10-156-761-13846
;   Sequence 13846, Application US/10156761
;   Publication No. US20030119018A1
;   GENERAL INFORMATION:
;   APPLICANT: OMURA, SATOSHI
;   APPLICANT: IKEDA, HARUO
;   APPLICANT: ISHIKAWA, JUN
;   APPLICANT: HORIKAWA, HIROSHI
;   APPLICANT: SHIBA, TADAYOSHI
;   APPLICANT: SAKAKI, YOSHIYUKI
;   APPLICANT: HATTORI, MASAHIRA
;   TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
;   FILE REFERENCE: 249-262
;   CURRENT APPLICATION NUMBER: US/10/156,761
;   CURRENT FILING DATE:  2002-05-29
;   PRIOR APPLICATION NUMBER: JP 2001-204089
;   PRIOR FILING DATE: 2001-05-30
;   PRIOR APPLICATION NUMBER: JP 2001-272697
;   PRIOR FILING DATE: 2001-08-02
;   NUMBER OF SEQ ID NOS: 15109
;   SEQ ID NO 13846
;   LENGTH: 256
;   TYPE: PRT
;   ORGANISM: Streptomyces avermitilis
US-10-156-761-13846

Query Match             78.6%;  Score 33;  DB 4;  Length 256;
Best Local Similarity  100.0%;  Pred. No. 2e+02;
Matches      7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 LLDRFLA 7
            |||||||
Db       11 LLDRFLA 17


Search completed: February  7, 2006, 13:47:32
Job time : 65.9191 secs
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                GenCore version 5.1.7
          Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:    February 7, 2006, 13:36:27 ; Search time 4.30851 Seconds
                                        (without alignments)
                                        24.478 Million cell updates/sec

Title:          US-10-006-177A-8
Perfect score:  42
Sequence:       1 LLDRFLATV 9

Scoring table:  BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched:       88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:      88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :     Published Applications AA New:*
            1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
            2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
            3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
            4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
            5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
            6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
            7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
            8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 33 | 78.6 | 471 | 7 | US-11-024-959-399 | Sequence 399, App |
| 2 | 31 | 73.8 | 160 | 6 | US-10-821-234-863 | Sequence 863, App |
| 3 | 31 | 73.8 | 434 | 7 | US-11-024-959-278 | Sequence 278, App |
| 4 | 31 | 73.8 | 434 | 7 | US-11-024-959-512 | Sequence 512, App |
| 5 | 31 | 73.8 | 441 | 7 | US-11-024-959-280 | Sequence 280, App |
| 6 | 31 | 73.8 | 441 | 7 | US-11-024-959-281 | Sequence 281, App |
| 7 | 31 | 73.8 | 485 | 6 | US-10-821-234-934 | Sequence 934, App |
| 8 | 30 | 71.4 | 18 | 7 | US-11-073-112-21 | Sequence 21, Appl |
| 9 | 30 | 71.4 | 312 | 6 | US-10-858-730-117 | Sequence 117, App |
| 10 | 30 | 71.4 | 864 | 7 | US-11-194-246-343 | Sequence 343, App |
| 11 | 29 | 69.0 | 349 | 7 | US-11-028-922A-2 | Sequence 2, Appli |
| 12 | 29 | 69.0 | 352 | 7 | US-11-028-922A-1 | Sequence 1, Appli |
| 13 | 29 | 69.0 | 412 | 7 | US-11-024-959-282 | Sequence 282, App |
| 14 | 29 | 69.0 | 1680 | 6 | US-10-517-939-362 | Sequence 362, App |
| 15 | 29 | 69.0 | 3507 | 7 | US-11-075-185-7 | Sequence 7, Appl |
| 16 | 28 | 66.7 | 10 | 6 | US-10-431-638-28 | Sequence 28, Appl |
| 17 | 28 | 66.7 | 14 | 6 | US-10-431-638-45 | Sequence 45, Appl |
| 18 | 28 | 66.7 | 18 | 6 | US-10-431-638-42 | Sequence 42, Appl |
| 19 | 28 | 66.7 | 22 | 6 | US-10-431-638-44 | Sequence 44, Appl |
| 20 | 28 | 66.7 | 24 | 6 | US-10-431-638-40 | Sequence 40, Appl |
| 21 | 28 | 66.7 | 35 | 6 | US-10-431-638-25 | Sequence 25, Appl |
| 22 | 28 | 66.7 | 49 | 6 | US-10-431-638-35 | Sequence 35, Appl |
| 23 | 28 | 66.7 | 203 | 7 | US-10-055-822-992 | Sequence 992, App |
| 24 | 28 | 66.7 | 216 | 6 | US-10-995-561-522 | Sequence 522, App |
| 25 | 28 | 66.7 | 339 | 7 | US-11-157-930-4 | Sequence 4, Appli |
| 26 | 28 | 66.7 | 352 | 6 | US-10-995-561-523 | Sequence 523, App |
| 27 | 28 | 66.7 | 352 | 7 | US-11-068-686-2 | Sequence 2, Appli |
| 28 | 28 | 66.7 | 352 | 6 | US-11-127-877-61 | Sequence 61, Appl |
| 29 | 28 | 66.7 | 359 | 6 | US-10-055-877-272 | Sequence 272, App |
| 30 | 28 | 66.7 | 367 | 7 | US-11-157-930-6 | Sequence 6, Appli |
| 31 | 28 | 66.7 | 374 | 7 | US-11-009-658-54 | Sequence 54, Appl |
| 32 | 28 | 66.7 | 399 | 7 | US-11-147-047-35 | Sequence 35, Appl |
| 33 | 28 | 66.7 | 532 | 7 | US-11-152-747-2 | Sequence 2, Appli |
| 34 | 28 | 66.7 | 532 | 7 | US-11-147-915-2 | Sequence 2, Appli |
| 35 | 28 | 66.7 | 532 | 7 | US-11-147-915-14 | Sequence 14, Appl |
| 36 | 28 | 66.7 | 532 | 7 | US-11-147-915-18 | Sequence 18, Appl |
| 37 | 28 | 66.7 | 532 | 7 | US-11-147-915-20 | Sequence 20, Appl |
| 38 | 28 | 66.7 | 532 | 7 | US-11-147-915-22 | Sequence 22, Appl |
| 39 | 28 | 66.7 | 532 | 7 | US-11-147-915-24 | Sequence 24, Appl |
| 40 | 28 | 66.7 | 532 | 7 | US-11-147-915-26 | Sequence 26, Appl |
| 41 | 28 | 66.7 | 532 | 7 | US-11-147-915-28 | Sequence 28, Appl |
| 42 | 28 | 66.7 | 532 | 7 | US-11-147-915-30 | Sequence 30, Appl |
| 43 | 28 | 66.7 | 532 | 7 | US-11-147-915-32 | Sequence 32, Appl |
| 44 | 28 | 66.7 | 532 | 7 | US-11-147-915-34 | Sequence 34, Appl |
| 45 | 28 | 66.7 | 532 | 7 | US-11-147-915-36 | Sequence 36, Appl |

ALIGNMENTS

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RESULT 1
US-11-024-959-399
; Sequence 399, Application US/1024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
;  APPLICANT: FORSTER, RICHARD L.
;  APPLICANT: CONNETT, MARIE B.
;  APPLICANT: EMERSON, SARAH JANE
;  APPLICANT: GRIGOR, MURRAY ROBERT
;  APPLICANT: HIGGINS, COLLEEN M.
;  APPLICANT: LUND, STEVEN TROY
;  APPLICANT: MAGUSIN, ANDREAS
;  APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 399
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-399

Query Match             78.6%;  Score 33;  DB 7;  Length 471;
Best Local Similarity   75.0%;  Pred. No. 11;
Matches    6;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 LLDRFLATV 8
              |:||:|||
Db      279 LIDRYLAT 286


RESULT 2
US-10-821-234-863
; Sequence 863, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
;  APPLICANT: Labat, Ivan
;  APPLICANT: Stache-Crain, Birgit
;  APPLICANT: Andarmani, Susan
;  APPLICANT: Tang, Y.Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
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; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 863
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-863

Query Match      73.8%;   Score 31;  DB 6;  Length 160;
Best Local Similarity   75.0%;   Pred. No. 8.8;
Matches    6;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      2 LDRFLATV 9
           ||:||:|:|
Db    144 LDKFLASV 151

RESULT 3
US-11-024-959-278
; Sequence 278, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 278
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-278

Query Match      73.8%;   Score 31;  DB 7;  Length 434;
Best Local Similarity   85.7%;   Pred. No. 27;
Matches    6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 LLDRFLA 7
           |:||||
Db    238 LIDRFLA 244

RESULT 4
US-11-024-959-512
; Sequence 512, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30

; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 512
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-512

Query Match      73.8%;   Score 31;  DB 7;  Length 434;
Best Local Similarity   85.7%;   Pred. No. 27;
Matches    6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 LLDRFLA 7
           |:||||
Db    238 LIDRFLA 244

RESULT 5
US-11-024-959-280
; Sequence 280, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 280
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-280

Query Match      73.8%;   Score 31;  DB 7;  Length 441;
Best Local Similarity   85.7%;   Pred. No. 27;
Matches    6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 LLDRFLA 7
           |:||||
Db    243 LIDRFLA 249

RESULT 6
US-11-024-959-281
; Sequence 281, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036

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; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 281
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-281

Query Match      73.8%;    Score 31; DB 7; Length 441;
Best Local Similarity   85.7%;   Pred. No. 27;
Matches    6; Conservative   1; Mismatches   0; Indels   0; Gaps   0;

Qy     1 LLDRFLA 7
         |:|||||
Db   243 LIDRFLA 249

RESULT 7
US-10-821-234-934
; Sequence 934, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 934
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-934

Query Match      73.8%;    Score 31; DB 6; Length 485;
Best Local Similarity   75.0%;   Pred. No. 30;
Matches    6; Conservative   1; Mismatches   1; Indels   0; Gaps   0;

Qy     2 LDRFLATV 9
         :||||| |
Db   258 IDRFLAVV 265

RESULT 8
US-11-073-112-21
; Sequence 21, Application US/11073112
; Publication No. US20050260627A1
; GENERAL INFORMATION:
; APPLICANT: Hintz et al.
; TITLE OF INVENTION: Mannosidases and Methods for using the Same
; FILE REFERENCE: 62447-02
; CURRENT APPLICATION NUMBER: US/11/073,112
; CURRENT FILING DATE: 2005-03-03
; PRIOR APPLICATION NUMBER: US 10/089,211
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: PCT/US00/27210
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/157,341
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 21
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:

; OTHER INFORMATION: synthetic signal sequence
US-11-073-112-21

Query Match      71.4%;    Score 30; DB 7; Length 18;
Best Local Similarity   62.5%;   Pred. No. 1.2;
Matches    5; Conservative   2; Mismatches   2; Indels   1; Gaps   0;

Qy     2 LDRFLATV 9
         :||||| :
Db     1 MDRFLAVI 8

RESULT 9
US-10-858-730-117
; Sequence 117, Application US/10858730
; Publication No. US20050255568A1
; GENERAL INFORMATION:
; APPLICANT: Bailey, Richard B.
; APPLICANT: Blomquist, Paul
; APPLICANT: Doten, Reed
; APPLICANT: Driggers, Edward M.
; APPLICANT: Madden, Kevin T.
; APPLICANT: O'Leary, Jessica
; APPLICANT: O'Toole, George
; APPLICANT: Trueheart, Joshua
; APPLICANT: Walbridge, Michael J.
; APPLICANT: Yorgey, Peter S.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR AMINO ACID
; TITLE OF INVENTION: PRODUCTION
; FILE REFERENCE: 14184-030001
; CURRENT APPLICATION NUMBER: US/10/858,730
; CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,000
; PRIOR FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: US 60/551,860
; PRIOR FILING DATE: 2004-03-10
; NUMBER OF SEQ ID NOS: 364
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Lactobacillus plantarum
US-10-858-730-117

Query Match      71.4%;    Score 30; DB 6; Length 312;
Best Local Similarity   66.7%;   Pred. No. 30;
Matches    6; Conservative   2; Mismatches   2; Indels   1; Gaps   0;

Qy     1 LLDRFLATV 9
         |:| ||||:
Db   243 LIDGFLATM 251

RESULT 10
US-11-194-246-343
; Sequence 343, Application US/11194246
; Publication No. US20050272089A1
; GENERAL INFORMATION:
; APPLICANT: Mott, John
; APPLICANT: Trepod, Catherine
; APPLICANT: Arvidson, Staffan
; TITLE OF INVENTION: CRITICAL GENES AND POLYPEPTIDES OF HAEMOPHILUS INFLUENZAE AND MET
; TITLE OF INVENTION: USE
; FILE REFERENCE: 00592.US1 (M&R 268.05920101)
; CURRENT APPLICATION NUMBER: US/11/194,246
; CURRENT FILING DATE: 2005-08-01
; PRIOR APPLICATION NUMBER: US/10/274,586
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/345,438
; PRIOR FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 621
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 343
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;    LENGTH: 864
; TYPE: PRT
; ORGANISM: HAEMOPHILUS INFLUENZAE
US-11-194-246-343

Query Match             71.4%;    Score 30;  DB 7;  Length 864;
Best Local Similarity   75.0%;    Pred. No. 94;
Matches     6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         1 LLDRFLAT 8
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Db        78 LIDAFLAT 85

RESULT 11
US-11-028-922A-2
; Sequence 2, Application US/11028922A
; Publication No. US20050271639A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Marc
; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
; FILE REFERENCE: CCF-7019
; CURRENT APPLICATION NUMBER: US/11/028,922A
; CURRENT FILING DATE: 2005-01-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-11-028-922A-2

Query Match             69.0%;    Score 29;  DB 7;  Length 349;
Best Local Similarity   75.0%;    Pred. No. 56;
Matches     6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         2 LDRFLATV 9
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Db       129 LDRYLAIV 136

RESULT 12
US-11-028-922A-1
; Sequence 1, Application US/11028922A
; Publication No. US20050271639A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Marc
; TITLE OF INVENTION: GENETICALLY ENGINEERED FOR THERAPEUTIC APPLICATIONS
; FILE REFERENCE: CCF-7019
; CURRENT APPLICATION NUMBER: US/11/028,922A
; CURRENT FILING DATE: 2005-01-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-028-922A-1

Query Match             69.0%;    Score 29;  DB 7;  Length 352;
Best Local Similarity   75.0%;    Pred. No. 56;
Matches     6;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         2 LDRFLATV 9
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Db       132 LDRYLAIV 139

RESULT 13
US-11-024-959-282
; Sequence 282, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:

; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 282
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-282

Query Match             69.0%;    Score 29;  DB 7;  Length 412;
Best Local Similarity   100.0%;   Pred. No. 67;
Matches     6;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         2 LDRFLA 7
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Db       135 LDRFLA 140

RESULT 14
US-10-517-939-362
; Sequence 362, Application US/10517939
; Publication No. US20060003433A1
; GENERAL INFORMATION:
; APPLICANT: Steer, Brian
; APPLICANT: Callen, Walter
; APPLICANT: Healey, Shaun
; APPLICANT: Hazlewood, Geoff
; APPLICANT: Wu, Di
; APPLICANT: Blum, David
; APPLICANT: Esteghlalian, Alireza
; TITLE OF INVENTION: XYLANASES, NUCLEIC ACIDS ENCODING THEM
; TITLE OF INVENTION:  AND METHODS FOR MAKING AND USING THEM
; FILE REFERENCE: 564462007901
; CURRENT APPLICATION NUMBER: US/10/517,939
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: PCT/US03/19153
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/389,299
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 362
; LENGTH: 1680
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental sample.
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)...(26)
US-10-517-939-362

Query Match             69.0%;    Score 29;  DB 6;  Length 1680;
Best Local Similarity   71.4%;    Pred. No. 3.2e+02;
Matches     5;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         2 LDRFLAT 8
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Db      1375 LDRYIAT 1381

RESULT 15
US-11-075-185-7
; Sequence 7, Application US/11075185
; Publication No. US2005026643A1
; GENERAL INFORMATION:
; APPLICANT: REEVES, CHRISTOPHER D
; APPLICANT: JULIEN, BRYAN
; APPLICANT: REID, RALPH
; TITLE OF INVENTION: BIOSYNTHETIC GENE CLUSTER FOR AMBRUTICINS
; FILE REFERENCE: 010099.03
; CURRENT APPLICATION NUMBER: US/11/075,185
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/551,103
; PRIOR FILING DATE: 2004-03-08
; PRIOR APPLICATION NUMBER: US 60/568,290
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7
; LENGTH: 3507
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-11-075-185-7

Query Match          69.0%;   Score 29;  DB 7;  Length 3507;
Best Local Similarity   77.8%;   Pred. No. 7.3e+02;
Matches    7;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 LLDRFLATV 9
            ||||  | ||
Db   1376 LLDRALETV 1384

Search completed: February 7, 2006, 13:48:19
Job time : 4.40851 secs

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                GenCore version 5.1.7
         Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:      February 7, 2006, 12:45:47 ; Search time 25.0426 Seconds
                                          (without alignments)
                                          36.315 Million cell updates/sec

Title:           US-10-006-177A-9
Perfect score:   53
Sequence:        1 LLIDDKGTIKL 11

Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:     572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Issued Patents AA:*
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           2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
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           4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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           6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match* | Length | DB | ID | Description |
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| 2 | 53 | 100.0 | 82 | 1 | US-08-446-010B-14 | Sequence 14, Appl |
| 3 | 53 | 100.0 | 82 | 1 | US-08-805-445-14 | Sequence 14, Appl |
| 4 | 53 | 100.0 | 82 | 1 | US-08-064-067D-14 | Sequence 14, Appl |
| 5 | 53 | 100.0 | 82 | 1 | US-09-066-208-14 | Sequence 14, Appl |
| 6 | 53 | 100.0 | 84 | 1 | US-08-370-225-15 | Sequence 15, Appl |
| 7 | 53 | 100.0 | 84 | 1 | US-08-461-859-15 | Sequence 15, Appl |
| 8 | 53 | 100.0 | 84 | 4 | PCT-US93-10069-15 | Sequence 15, Appl |
| 9 | 53 | 100.0 | 270 | 1 | US-07-857-224B-31 | Sequence 31, Appl |
| 10 | 53 | 100.0 | 297 | 1 | US-08-176-620A-16 | Sequence 16, Appl |
| 11 | 53 | 100.0 | 297 | 1 | US-08-874-347-23 | Sequence 23, Appl |
| 12 | 53 | 100.0 | 297 | 1 | US-08-874-347-24 | Sequence 24, Appl |
| 13 | 53 | 100.0 | 297 | 2 | US-08-461-985-16 | Sequence 16, Appl |
| 14 | 53 | 100.0 | 297 | 2 | US-09-093-522-23 | Sequence 23, Appl |
| 15 | 53 | 100.0 | 297 | 2 | US-09-093-522-24 | Sequence 24, Appl |
| 16 | 53 | 100.0 | 297 | 2 | US-08-932-787B-21 | Sequence 21, Appl |
| 17 | 53 | 100.0 | 297 | 2 | US-08-932-012C-21 | Sequence 21, Appl |
| 18 | 53 | 100.0 | 297 | 2 | US-08-888-818C-21 | Sequence 21, Appl |
| 19 | 53 | 100.0 | 297 | 2 | US-09-411-628-12 | Sequence 12, Appl |
| 20 | 53 | 100.0 | 297 | 2 | US-10-174-794-12 | Sequence 12, Appl |
| 21 | 53 | 100.0 | 299 | 2 | US-09-949-016-10673 | Sequence 10673, A |
| 22 | 41 | 77.4 | 290 | 2 | US-09-265-585C-103 | Sequence 103, App |
| 23 | 41 | 77.4 | 368 | 2 | US-09-265-585C-124 | Sequence 124, App |
| 24 | 41 | 77.4 | 653 | 2 | US-09-186-276B-2 | Sequence 2, Appli |
| 25 | 41 | 77.4 | 653 | 2 | US-08-842-445-2 | Sequence 2, Appli |
| 26 | 41 | 77.4 | 653 | 2 | US-09-186-188B-2 | Sequence 2, Appli |
| 27 | 41 | 77.4 | 653 | 2 | US-09-265-585C-2 | Sequence 2, Appli |
| 28 | 41 | 77.4 | 653 | 2 | US-09-265-585C-100 | Sequence 100, App |
| 29 | 40 | 75.5 | 314 | 2 | US-09-540-236-2121 | Sequence 2121, Ap |
| 30 | 40 | 75.5 | 416 | 2 | US-09-457-040B-10 | Sequence 10, Appl |
| 31 | 39 | 73.6 | 222 | 2 | US-09-384-162-8 | Sequence 8, Appli |
| 32 | 39 | 73.6 | 268 | 2 | US-09-371-338-9 | Sequence 9, Appli |
| 33 | 39 | 73.6 | 268 | 2 | US-09-371-338-21 | Sequence 21, Appli |
| 34 | 39 | 73.6 | 277 | 2 | US-09-803-671B-6 | Sequence 6, Appli |
| 35 | 39 | 73.6 | 277 | 2 | US-09-803-671B-7 | Sequence 7, Appli |
| 36 | 39 | 73.6 | 277 | 2 | US-10-274-409-6 | Sequence 6, Appli |
| 37 | 39 | 73.6 | 277 | 2 | US-10-274-409-7 | Sequence 7, Appli |
| 38 | 39 | 73.6 | 281 | 2 | US-09-248-796A-20512 | Sequence 20512, A |
| 39 | 39 | 73.6 | 393 | 2 | US-08-888-429A-21 | Sequence 21, Appl |
| 40 | 39 | 73.6 | 393 | 2 | US-09-593-653-21 | Sequence 21, Appl |
| 41 | 39 | 73.6 | 430 | 2 | US-09-252-991A-22616 | Sequence 22616, A |
| 42 | 39 | 73.6 | 487 | 2 | US-09-206-166-6 | Sequence 6, Appli |
| 43 | 39 | 73.6 | 596 | 2 | US-09-248-796A-18495 | Sequence 18495, A |
| 44 | 39 | 73.6 | 661 | 2 | US-09-371-338-7 | Sequence 7, Appli |
| 45 | 39 | 73.6 | 690 | 2 | US-09-371-338-19 | Sequence 19, Appl |

ALIGNMENTS

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RESULT 1
US-08-446-038B-14
; Sequence 14, Application US/08446038B
; Patent No. 5658791
; GENERAL INFORMATION:
;   APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
;   APPLICANT: Harpur, Ailsa
;   TITLE OF INVENTION: No. 5658791e1 Protein Tyrosine Kinase
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10022
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
;   COMPUTER: IBM PS/2
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/446,038B
;   FILING DATE: 19-MAY-1995
;   CLASSIFICATION: 424
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/064,067
;   FILING DATE: 30-Jun-1993
;   APPLICATION NUMBER: PCT/US91/08889
;   FILING DATE: 26-No. 5658791-1991
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: Australian PK3594/90
;   FILING DATE: 28-No. 5658791-1990
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: Australian 88229/91
;   FILING DATE: 27-No. 5658791-1991
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Hanson, No. 5658791man D.
;   REGISTRATION NUMBER: 30,946
;   REFERENCE/DOCKET NUMBER: LUD 5244
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 212-688-9200
;   TELEFAX: 212-838-3884
;   INFORMATION FOR SEQ ID NO: 14:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 82 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
US-08-446-038B-14
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Query Match      100.0%;  Score 53; DB 1; Length 82;
Best Local Similarity 100.0%;  Pred. No. 0.0053;
Matches  11;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy    1 LLIDDKGTIKL 11
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Db   18 LLIDDKGTIKL 28
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RESULT 2
US-08-446-010B-14
; Sequence 14, Application US/08446010B
; Patent No. 5716818
; GENERAL INFORMATION:
;   APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
;   APPLICANT: Harpur, Ailsa
;   TITLE OF INVENTION: No. 5716818el Protein Tyrosine Kinase
;   NUMBER OF SEQUENCES: 25
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Felfe & Lynch
;     STREET: 805 Third Avenue
;     CITY: New York City
;     STATE: New York
;     COUNTRY: USA
;     ZIP: 10022
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
;     COMPUTER: IBM PS/2
;     OPERATING SYSTEM: PC-DOS
;     SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/446,010B
;     FILING DATE: 19-May-1995
;     CLASSIFICATION: 433
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/446,038
;     FILING DATE: 19-May-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/064,067
;     FILING DATE: 30-Jun-1993
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: PCT/US91/08889
;     FILING DATE: 26-No. 5716818-1991
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: Australian PK3594/90
;     FILING DATE: 28-No. 5716818-1990
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: Australian 88229/91
;     FILING DATE: 27-No. 5716818-1991
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Baer, Madeline F.
;     REGISTRATION NUMBER: 36,437
;     REFERENCE/DOCKET NUMBER: LUD 5244.3
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 212-688-9200
;     TELEFAX: 212-838-3884
;   INFORMATION FOR SEQ ID NO: 14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 82 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
US-08-446-010B-14

Query Match      100.0%;  Score 53; DB 1; Length 82;
Best Local Similarity 100.0%;  Pred. No. 0.0053;
Matches  11;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy    1 LLIDDKGTIKL 11
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Db   18 LLIDDKGTIKL 28
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RESULT 3

US-08-805-445-14
; Sequence 14, Application US/0805445
; Patent No. 5821069
; GENERAL INFORMATION:
;   APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
;   APPLICANT: Harpur, Ailsa
;   TITLE OF INVENTION: No. 5821069el Protein Tyrosine Kinase
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Felfe & Lynch
;     STREET: 805 Third Avenue
;     CITY: New York City
;     STATE: New York
;     COUNTRY: USA
;     ZIP: 10022
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
;     COMPUTER: IBM PS/2
;     OPERATING SYSTEM: PC-DOS
;     SOFTWARE: Wordperfect
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/805,445
;     FILING DATE: 25-FEB-1997
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/446,038
;     FILING DATE: 19-MAY-1995
;     APPLICATION NUMBER: 08/064,067
;     FILING DATE: 30-Jun-1993
;     APPLICATION NUMBER: PCT/US91/08889
;     FILING DATE: 26-No. 5821069-1991
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: Australian PK3594/90
;     FILING DATE: 28-No. 5821069-1990
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: Australian 88229/91
;     FILING DATE: 27-No. 5821069-1991
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Hanson, No. 5821069man D.
;     REGISTRATION NUMBER: 30,946
;     REFERENCE/DOCKET NUMBER: LUD 5244
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 212-688-9200
;     TELEFAX: 212-838-3884
;   INFORMATION FOR SEQ ID NO: 14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 82 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
US-08-805-445-14

Query Match      100.0%;  Score 53; DB 1; Length 82;
Best Local Similarity 100.0%;  Pred. No. 0.0053;
Matches  11;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy    1 LLIDDKGTIKL 11
          |||||||||||
Db   18 LLIDDKGTIKL 28
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RESULT 4
US-08-064-067D-14
; Sequence 14, Application US/08064067D
; Patent No. 5852184
; GENERAL INFORMATION:
;   APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
;   APPLICANT: Harpur, Ailsa
;   TITLE OF INVENTION: No. 5852184el Protein Tyrosine Kinase
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Felfe & Lynch
;     STREET: 805 Third Avenue
;     CITY: New York City

```
      STATE: New York
      COUNTRY: USA
      ZIP: 10022
    COMPUTER READABLE FORM:
      MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
      COMPUTER: IBM PS/2
      OPERATING SYSTEM: PC-DOS
      SOFTWARE: Wordperfect
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/064,067D
      FILING DATE: 30-Jun-1993
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: PCT/US91/08889
      FILING DATE: 26-No. 5852184-1991
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: Australian PK3594/90
      FILING DATE: 28-No. 5852184-1990
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: Australian 88229/91
      FILING DATE: 27-No. 5852184-1991
    ATTORNEY/AGENT INFORMATION:
      NAME: Hanson, No. 5852184man D.
      REGISTRATION NUMBER: 30,946
      REFERENCE/DOCKET NUMBER: LUD 5244
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: 212-688-9200
      TELEFAX: 212-838-3884
  INFORMATION FOR SEQ ID NO: 14:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 82 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
US-08-064-067D-14

Query Match          100.0%;  Score 53;  DB 1;  Length 82;
Best Local Similarity 100.0%;  Pred. No. 0.0053;
Matches  11;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy       1 LLIDDKGTIKL 11
           |||||||||||
Db      18 LLIDDKGTIKL 28

RESULT 5
US-09-066-208-14
; Sequence 14, Application US/09066208
; Patent No. 5910426
; GENERAL INFORMATION:
;  APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
;  APPLICANT: Harpur, Ailsa
;  TITLE OF INVENTION: No. 5910426el Protein Tyrosine Kinase
;  NUMBER OF SEQUENCES: 23
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Felfe & Lynch
;   STREET: 805 Third Avenue
;   CITY: New York City
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10022
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
;   COMPUTER: IBM PS/2
;   OPERATING SYSTEM: PC-DOS
;   SOFTWARE: Wordperfect
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/066,208
;   FILING DATE:
;   CLASSIFICATION:
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/805,445
;   FILING DATE: 25-FEB-1997
;   APPLICATION NUMBER: US 08/446,038
;   FILING DATE: 19-MAY-1995
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      APPLICATION NUMBER: 08/064,067
      FILING DATE: 30-Jun-1993
      APPLICATION NUMBER: PCT/US91/08889
      FILING DATE: 26-No. 5910426-1991
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: Australian PK3594/90
      FILING DATE: 28-No. 5910426-1990
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: Australian 88229/91
      FILING DATE: 27-No. 5910426-1991
    ATTORNEY/AGENT INFORMATION:
      NAME: Hanson, No. 5910426man D.
      REGISTRATION NUMBER: 30,946
      REFERENCE/DOCKET NUMBER: LUD 5244
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: 212-688-9200
      TELEFAX: 212-838-3884
  INFORMATION FOR SEQ ID NO: 14:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 82 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
US-09-066-208-14

Query Match          100.0%;  Score 53;  DB 1;  Length 82;
Best Local Similarity 100.0%;  Pred. No. 0.0053;
Matches  11;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy       1 LLIDDKGTIKL 11
           |||||||||||
Db      18 LLIDDKGTIKL 28

RESULT 6
US-08-370-225-15
; Sequence 15, Application US/08370225
; Patent No. 5580736
; GENERAL INFORMATION:
;  APPLICANT: Brent, Roger
;  APPLICANT: Gyuris, Jeno
;  APPLICANT: Golemis, Erica
;  TITLE OF INVENTION: Interaction Trap System for Isolating
;  TITLE OF INVENTION: No. 5580736el Proteins
;  NUMBER OF SEQUENCES: 33
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson
;   STREET: 225 Franklin Street
;   CITY: Boston
;   STATE: Massachusetts
;   COUNTRY: U.S.A.
;   ZIP: 02110-2804
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;   COMPUTER: IBM PS/2 Model 50Z or 55SX
;   OPERATING SYSTEM: MS-DOS (Version 5.0)
;   SOFTWARE: WordPerfect (Version 5.1)
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/370,225
;   FILING DATE:
;   CLASSIFICATION: 435
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 07/969,038
;   FILING DATE: 10/30/92
;  ATTORNEY/AGENT INFORMATION:
;   NAME: Clark, Paul T.
;   REGISTRATION NUMBER: 30,162
;   REFERENCE/DOCKET NUMBER: 00786/143001
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617) 542-5070
;   TELEFAX: (617) 542-8906
;   TELEX: 200154
;  INFORMATION FOR SEQ ID NO: 15:
;   SEQUENCE CHARACTERISTICS:
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;
;      LENGTH: 84
;      TYPE: amino acid
;      STRANDEDNESS:
;      TOPOLOGY: linear
US-08-370-225-15

Query Match             100.0%;  Score 53;  DB 1;  Length 84;
Best Local Similarity   100.0%;  Pred. No. 0.0054;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db         61 LLIDDKGTIKL 71

RESULT 7
US-08-461-859-15
; Sequence 15, Application US/08461859
; Patent No. 5786169
; GENERAL INFORMATION:
;      APPLICANT: Brent, Roger
;      APPLICANT: Gyuris, Jeno
;      APPLICANT: Golemis, Erica
;      TITLE OF INVENTION: Interaction Trap System for Isolating
;      TITLE OF INVENTION: No. 5786169el Proteins
;      NUMBER OF SEQUENCES: 35
;      CORRESPONDENCE ADDRESS:
;         ADDRESSEE: Fish & Richardson P.C.
;         STREET: 225 Franklin Street
;         CITY: Boston
;         STATE: Massachusetts
;         COUNTRY: U.S.A.
;         ZIP: 02110-2804
;      COMPUTER READABLE FORM:
;         MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;         COMPUTER: IBM PS/2 Model 50Z or 55SX
;         OPERATING SYSTEM: MS-DOS (Version 5.0)
;         SOFTWARE: WordPerfect (Version 5.1)
;      CURRENT APPLICATION DATA:
;         APPLICATION NUMBER: US/08/461,859
;         FILING DATE: June 5, 1995
;         CLASSIFICATION: 530
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: 08/370,225
;         FILING DATE: January 9, 1995
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: 07/969,038
;         FILING DATE: October 30, 1992
;      ATTORNEY/AGENT INFORMATION:
;         NAME: Lech, Karen F.
;         REGISTRATION NUMBER: 35,238
;         REFERENCE/DOCKET NUMBER: 00786/143002
;      TELECOMMUNICATION INFORMATION:
;         TELEPHONE: (617) 542-5070
;         TELEFAX: (617) 542-8906
;         TELEX: 200154
; INFORMATION FOR SEQ ID NO: 15:
;      SEQUENCE CHARACTERISTICS:
;         LENGTH: 84
;         TYPE: amino acid
;         STRANDEDNESS:
;         TOPOLOGY: linear
US-08-461-859-15

Query Match             100.0%;  Score 53;  DB 1;  Length 84;
Best Local Similarity   100.0%;  Pred. No. 0.0054;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db         61 LLIDDKGTIKL 71


RESULT 8
PCT-US93-10069-15
; Sequence 15, Application PC/TUS9310069
; GENERAL INFORMATION:
;      APPLICANT: Brent, Roger
;      APPLICANT: Gyuris, Jeno
;      APPLICANT: Golemis, Erica
;      TITLE OF INVENTION: Interaction Trap System for Isolating
;      TITLE OF INVENTION: Novel Proteins
;      NUMBER OF SEQUENCES: 33
;      CORRESPONDENCE ADDRESS:
;         ADDRESSEE: Fish & Richardson
;         STREET: 225 Franklin Street
;         CITY: Boston
;         STATE: Massachusetts
;         COUNTRY: U.S.A.
;         ZIP: 02110-2804
;      COMPUTER READABLE FORM:
;         MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;         COMPUTER: IBM PS/2 Model 50Z or 55SX
;         OPERATING SYSTEM: MS-DOS (Version 5.0)
;         SOFTWARE: WordPerfect (Version 5.1)
;      CURRENT APPLICATION DATA:
;         APPLICATION NUMBER: PCT/US93/10069
;         FILING DATE: 20-OCT-1993
;         CLASSIFICATION:
;      PRIOR APPLICATION DATA:
;         APPLICATION NUMBER: 07/969,038
;         FILING DATE: 10/30/92
;      ATTORNEY/AGENT INFORMATION:
;         NAME: Clark, Paul T.
;         REGISTRATION NUMBER: 30,162
;         REFERENCE/DOCKET NUMBER: 00786/143001
;      TELECOMMUNICATION INFORMATION:
;         TELEPHONE: (617) 542-5070
;         TELEFAX: (617) 542-8906
;         TELEX: 200154
; INFORMATION FOR SEQ ID NO: 15:
;      SEQUENCE CHARACTERISTICS:
;         LENGTH: 84
;         TYPE: amino acid
;         STRANDEDNESS:
;         TOPOLOGY: linear
PCT-US93-10069-15

Query Match             100.0%;  Score 53;  DB 4;  Length 84;
Best Local Similarity   100.0%;  Pred. No. 0.0054;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db         61 LLIDDKGTIKL 71


RESULT 9
US-07-857-224B-31
; Sequence 31, Application US/07857224B
; Patent No. 5958784
; GENERAL INFORMATION:
;      APPLICANT: Benner, Steven A.
;      TITLE OF INVENTION: Predicting Folded Structures of Proteins
;      NUMBER OF SEQUENCES: 114
;      CORRESPONDENCE ADDRESS:
;         ADDRESSEE: Steven A. Benner
;         STREET: Hadlaubstrasse 151
;         CITY: Zurich
;         STATE: none
;         COUNTRY: Switzerland
;         ZIP: (note: this is an international post code) CH-8092
;      COMPUTER READABLE FORM:
;         MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
;         COMPUTER: Apple MacIntosh
;         OPERATING SYSTEM: MacIntosh 7.0
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SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/857,224B
FILING DATE: 03/25/92
CLASSIFICATION: 436
PRIOR APPLICATION DATA: none
TELECOMMUNICATION INFORMATION:
TELEPHONE: (International) 41 1 632 2830
TELEFAX: (International) 41 1 262 2437
TELEX: none
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 270
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
DESCRIPTION: protein
ORGANISM: human
FEATURE: Protein kinase; Table 8 Column 35
PUBLICATION INFORMATION:
AUTHORS:
AUTHORS: Hanks, S. K.
AUTHORS: Quinn, A. M.
AUTHORS: Hunter, T.
TITLE: The protein kinase family
JOURNAL: Science
VOLUME: 241
PAGES: 42-52
DATE: 1988
US-07-857-224B-31

Query Match        100.0%;   Score 53;  DB 1;  Length 270;
Best Local Similarity  100.0%;   Pred. No. 0.021;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 LLIDDKGTIKL 11
          |||||||||||
Db   133 LLIDDKGTIKL 143

RESULT 10
US-08-176-620A-16
; Sequence 16, Application US/08176620A
; Patent No. 5595904
GENERAL INFORMATION:
APPLICANT: Boulton, Teri G.
APPLICANT: Cobb, Melanie H.
APPLICANT: Yancopoulos, George D.
APPLICANT: Nye, Steven
APPLICANT: Panayotatos, Nikos
TITLE OF INVENTION: A Family of Map2 Protein Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/176,620A
FILING DATE: 03-JAN-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6525-123

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-176-620A-16

Query Match        100.0%;   Score 53;  DB 1;  Length 297;
Best Local Similarity  100.0%;   Pred. No. 0.023;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 LLIDDKGTIKL 11
          |||||||||||
Db   134 LLIDDKGTIKL 144

RESULT 11
US-08-874-347-23
; Sequence 23, Application US/08874347
; Patent No. 5863741
GENERAL INFORMATION:
APPLICANT: Limper, Andrew H.
APPLICANT: Leof, Edward B.
APPLICANT: Thomas, Charles F.
APPLICANT: Gustafson, Michael P.
TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
TITLE OF INVENTION: CARINII
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/874,347
FILING DATE: 13-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ellinger, Mark S.
REGISTRATION NUMBER: 34,812
REFERENCE/DOCKET NUMBER: 07039/055001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-335-5070
TELEFAX: 612-288-9696
TELEX:
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 297 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-874-347-23

Query Match        100.0%;   Score 53;  DB 1;  Length 297;
Best Local Similarity  100.0%;   Pred. No. 0.023;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 LLIDDKGTIKL 11
          |||||||||||

Db    134 LLIDDKGTIKL 144

RESULT 12
US-08-874-347-24
; Sequence 24, Application US/08874347
; Patent No. 5863741
; GENERAL INFORMATION:
;   APPLICANT: Limper, Andrew H.
;   APPLICANT: Leof, Edward B.
;   APPLICANT: Thomas, Charles F.
;   APPLICANT: Gustafson, Michael P.
;   TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
;   TITLE OF INVENTION: CARINII
;   NUMBER OF SEQUENCES: 26
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Fish & Richardson P.C., P.A.
;     STREET: 60 South Sixth Street, Suite 3300
;     CITY: Minneapolis
;     STATE: MN
;     COUNTRY: USA
;     ZIP: 55402
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette
;     COMPUTER: IBM Compatible
;     OPERATING SYSTEM: DOS
;     SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/874,347
;     FILING DATE: 13-JUN-1997
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Ellinger, Mark S.
;     REGISTRATION NUMBER: 34,812
;     REFERENCE/DOCKET NUMBER: 07039/055001
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 612-335-5070
;     TELEFAX: 612-288-9696
;     TELEX:
US-08-874-347-24

INFORMATION FOR SEQ ID NO: 24:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 297 amino acids
    TYPE: amino acid
    STRANDEDNESS: single
    TOPOLOGY: linear
  MOLECULE TYPE: protein

Query Match    100.0%;  Score 53;  DB 1;  Length 297;
Best Local Similarity  100.0%;  Pred. No. 0.023;
Matches  11;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 LLIDDKGTIKL 11
            |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 13
US-08-461-985-16
; Sequence 16, Application US/08461985
; Patent No. 5872006
; GENERAL INFORMATION:
;   APPLICANT: Boulton, Teri G.
;   APPLICANT: Cobb, Melanie H.
;   APPLICANT: Yancopoulos, George D.
;   APPLICANT: Nye, Steven
;   APPLICANT: Panayotatos, Nikos
;   TITLE OF INVENTION: A Family of Map2 Protein Kinases
;   NUMBER OF SEQUENCES: 21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Pennie & Edmonds
;     STREET: 1155 Avenue of the Americas
;     CITY: New York
;     STATE: New York
;     COUNTRY: U.S.A.
;     ZIP: 10036
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/461,985
;     FILING DATE: 05-JUN-1995
;     CLASSIFICATION: 800
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/176,620
;     FILING DATE: 03-JAN-1994
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Misrock, S. Leslie
;     REGISTRATION NUMBER: 18,872
;     REFERENCE/DOCKET NUMBER: 6526-123
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (212) 790-9090
;     TELEFAX: (212) 869-8864/9741
;     TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 16:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 297 amino acids
    TYPE: amino acid
    STRANDEDNESS: single
    TOPOLOGY: unknown
  MOLECULE TYPE: protein
US-08-461-985-16

Query Match    100.0%;  Score 53;  DB 1;  Length 297;
Best Local Similarity  100.0%;  Pred. No. 0.023;
Matches  11;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 LLIDDKGTIKL 11
            |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 14
US-09-093-522-23
; Sequence 23, Application US/09093522
; Patent No. 6015700
; GENERAL INFORMATION:
;   APPLICANT: Limper, Andrew H.
;   APPLICANT: Leof, Edward B.
;   APPLICANT: Thomas, Charles F.
;   APPLICANT: Gustafson, Michael P.
;   TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
;   TITLE OF INVENTION: CARINII
;   NUMBER OF SEQUENCES: 26
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Fish & Richardson P.C., P.A.
;     STREET: 60 South Sixth Street, Suite 3300
;     CITY: Minneapolis
;     STATE: MN
;     COUNTRY: USA
;     ZIP: 55402
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette
;     COMPUTER: IBM Compatible
;     OPERATING SYSTEM: DOS
;     SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/093,522
;     FILING DATE: 08-JUN-1998
;     CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/874,347
;     FILING DATE: 13-JUN-1997
;   ATTORNEY/AGENT INFORMATION:

```
;   NAME: Ellinger, Mark S.
;   REGISTRATION NUMBER: 34,812
;   REFERENCE/DOCKET NUMBER: 07039/055002
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 612-335-5070
;   TELEFAX: 612-288-9696
;   TELEX:
; INFORMATION FOR SEQ ID NO: 23:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 297 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-09-093-522-23


Query Match           100.0%;  Score 53;  DB 2;  Length 297;
Best Local Similarity 100.0%;  Pred. No. 0.023;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144


RESULT 15
US-09-093-522-24
; Sequence 24, Application US/09093522
; Patent No. 6015700
; GENERAL INFORMATION:
;   APPLICANT: Limper, Andrew H.
;   APPLICANT: Leof, Edward B.
;   APPLICANT: Thomas, Charles F.
;   APPLICANT: Gustafson, Michael P.
;   TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
;   TITLE OF INVENTION: CARINII
;   NUMBER OF SEQUENCES: 26
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson P.C., P.A.
;   STREET: 60 South Sixth Street, Suite 3300
;   CITY: Minneapolis
;   STATE: MN
;   COUNTRY: USA
;   ZIP: 55402
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: DOS
;   SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/093,522
;   FILING DATE: 08-JUN-1998
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/874,347
;   FILING DATE: 13-JUN-1997
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Ellinger, Mark S.
;   REGISTRATION NUMBER: 34,812
;   REFERENCE/DOCKET NUMBER: 07039/055002
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 612-335-5070
;   TELEFAX: 612-288-9696
;   TELEX:
; INFORMATION FOR SEQ ID NO: 24:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 297 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-09-093-522-24


Query Match           100.0%;  Score 53;  DB 2;  Length 297;
Best Local Similarity 100.0%;  Pred. No. 0.023;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144


Search completed: February 7, 2006, 12:49:40
Job time : 26.0426 secs
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                    OM protein - protein search, using sw model

                              Copyright (c) 1993 - 2006 Bioacceleration Ltd.
                                  GenCore version 5.1.7
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Run on:       February 7, 2006, 13:34:34 ; Search time 79.2234 Seconds
                                            (without alignments)
                                            58.015 Million cell updates/sec

Title:        US-10-006-177A-9
Perfect score: 53
Sequence:     1 LLIDDKGTIKL 11
Scoring table: BLOSUM62
              Gapop 10.0 , Gapext 0.5

Searched:     1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:    1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                Maximum Match 100%
                Listing first 45 summaries

Database :    Published Applications_AA Main:*
              1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
              2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
              3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
              4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
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              6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                              SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 53 | 100.0 | 11 | 4 | US-10-006-177-9 | Sequence 9, Appli |
| 2 | 53 | 100.0 | 297 | 4 | US-10-060-065-11 | Sequence 11, Appl |
| 3 | 53 | 100.0 | 297 | 4 | US-10-059-585-32 | Sequence 32, Appl |
| 4 | 53 | 100.0 | 297 | 4 | US-10-177-293-41 | Sequence 41, Appl |
| 5 | 53 | 100.0 | 297 | 4 | US-10-174-794-12 | Sequence 12, Appl |
| 6 | 53 | 100.0 | 297 | 4 | US-10-204-041-8 | Sequence 8, Appli |
| 7 | 53 | 100.0 | 297 | 4 | US-10-394-322A-6 | Sequence 6, Appli |
| 8 | 53 | 100.0 | 297 | 4 | US-10-764-425-123 | Sequence 123, App |
| 9 | 53 | 100.0 | 297 | 5 | US-10-788-792-155 | Sequence 155, App |
| 10 | 53 | 100.0 | 297 | 5 | US-10-733-878-419 | Sequence 419, App |
| 11 | 53 | 100.0 | 297 | 5 | US-10-723-860-2448 | Sequence 2448, Ap |
| 12 | 53 | 100.0 | 297 | 5 | US-10-751-736-67 | Sequence 67, Appl |
| 13 | 53 | 100.0 | 297 | 5 | US-10-732-923-1435 | Sequence 1435, Ap |
| 14 | 53 | 100.0 | 297 | 5 | US-10-756-149-5363 | Sequence 5363, Ap |
| 15 | 48 | 90.6 | 303 | 4 | US-10-369-493-3142 | Sequence 3142, Ap |
| 16 | 43 | 81.1 | 275 | 5 | US-10-732-923-1413 | Sequence 1413, Ap |
| 17 | 43 | 81.1 | 300 | 5 | US-10-732-923-1415 | Sequence 1415, Ap |
| 18 | 43 | 81.1 | 301 | 5 | US-10-732-923-1273 | Sequence 1273, Ap |
| 19 | 43 | 81.1 | 303 | 5 | US-10-732-923-1274 | Sequence 1274, Ap |
| 20 | 43 | 81.1 | 303 | 5 | US-10-732-923-1276 | Sequence 1276, Ap |
| 21 | 43 | 81.1 | 303 | 5 | US-10-732-923-1277 | Sequence 1277, Ap |
| 22 | 43 | 81.1 | 303 | 5 | US-10-732-923-1423 | Sequence 1423, Ap |
| 23 | 43 | 81.1 | 303 | 5 | US-10-732-923-13560 | Sequence 13560, A |
| 24 | 43 | 81.1 | 666 | 5 | US-10-732-923-1408 | Sequence 1408, Ap |
| 25 | 42 | 79.2 | 302 | 5 | US-11-007-819-47 | Sequence 47, Appl |
| 26 | 42 | 79.2 | 502 | 6 | US-10-767-701-47655 | Sequence 47655, A |
| 27 | 41 | 77.4 | 150 | 4 | | |

| 28 | 41 | 77.4 | 460 | 4 | US-10-425-114-38285 | Sequence 38285, A |
| 29 | 41 | 77.4 | 653 | 3 | US-09-186-276B-2 | Sequence 2, Appli |
| 30 | 41 | 77.4 | 653 | 3 | US-09-186-188B-2 | Sequence 2, Appli |
| 31 | 41 | 77.4 | 653 | 4 | US-10-253-007-2 | Sequence 2, Appli |
| 32 | 40 | 75.5 | 347 | 4 | US-10-424-599-206897 | Sequence 206897, |
| 33 | 39 | 73.6 | 111 | 4 | US-10-425-115-281303 | Sequence 281303, |
| 34 | 39 | 73.6 | 133 | 4 | US-10-424-599-218483 | Sequence 218483, |
| 35 | 39 | 73.6 | 230 | 4 | US-10-424-599-234424 | Sequence 234424, |
| 36 | 39 | 73.6 | 257 | 4 | US-10-437-963-128173 | Sequence 128173, |
| 37 | 39 | 73.6 | 268 | 4 | US-10-643-434-9 | Sequence 9, Appli |
| 38 | 39 | 73.6 | 268 | 4 | US-10-643-434-21 | Sequence 21, Appl |
| 39 | 39 | 73.6 | 277 | 4 | US-10-274-409-6 | Sequence 6, Appli |
| 40 | 39 | 73.6 | 277 | 4 | US-10-274-409-7 | Sequence 7, Appli |
| 41 | 39 | 73.6 | 277 | 5 | US-10-932-135-6 | Sequence 6, Appli |
| 42 | 39 | 73.6 | 277 | 5 | US-10-932-135-7 | Sequence 7, Appli |
| 43 | 39 | 73.6 | 393 | 4 | US-10-137-953-21 | Sequence 21, Appl |
| 44 | 39 | 73.6 | 442 | 4 | US-10-425-114-54528 | Sequence 54528, A |
| 45 | 39 | 73.6 | 448 | 4 | US-10-425-115-314707 | Sequence 314707, |

                              ALIGNMENTS

RESULT 1
US-10-006-177-9
; Sequence 9, Application US/10006177
; Publication No. US2003016513A1
; GENERAL INFORMATION:
;  APPLICANT: Ramakrishna, Venky
;  APPLICANT: Ross, Mark
;  APPLICANT: Philip, Ramila
;  TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
;  TITLE OF INVENTION: Diagnosis of Cancer
;  FILE REFERENCE: 26747-35
;  CURRENT APPLICATION NUMBER: US/10/006,177
;  CURRENT FILING DATE: 2001-12-04
;  PRIOR APPLICATION NUMBER: US/60/251,022
;  PRIOR FILING DATE: 2000-12-04
;  PRIOR APPLICATION NUMBER: US/60/256,824
;  PRIOR FILING DATE: 2000-12-20
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.0
;
;  SEQ ID NO 9
;  LENGTH: 11
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Epitopic Peptide
US-10-006-177-9

  Query Match             100.0%;  Score 53;  DB 4;  Length 11;
  Best Local Similarity   100.0%;  Pred. No. 0.0028;
  Matches    11; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

Qy        1 LLIDDKGTIKL 11
            |||||||||||
Db        1 LLIDDKGTIKL 11

RESULT 2
US-10-060-065-11
; Sequence 11, Application US/10060065
; Publication No. US2003001748OA1
; GENERAL INFORMATION:
;  APPLICANT: Toshio Oca
;  APPLICANT: Takao Isogai
;  APPLICANT: Tetsuo Nishikawa
;  APPLICANT: Koji Hayashi
;  APPLICANT: Kaoru Otsuka
;  APPLICANT: Jun-Ichi Yamamoto
;  APPLICANT: Shizuko Ishii
;  APPLICANT: Tomoyasu Sugiyama
;  APPLICANT: Ai Wakamatsu

```
;   APPLICANT: Keiichi Nagai
;   APPLICANT: Tetsuji Otsuki
;   APPLICANT: Shin-Ichi Funahashi
;   APPLICANT: Chiaki Senoo
;   APPLICANT: Jun-Ichi Nezu
;   TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
;   FILE REFERENCE: 06501-099002
;   CURRENT APPLICATION NUMBER: US/10/060,065
;   CURRENT FILING DATE: 2002-01-29
;   PRIOR APPLICATION NUMBER: PCT/JP00/05061
;   PRIOR FILING DATE: 2000-07-28
;   PRIOR APPLICATION NUMBER: US 60/159,590
;   PRIOR FILING DATE: 1999-10-18
;   PRIOR APPLICATION NUMBER: US 60/183,322
;   PRIOR FILING DATE: 2000-02-17
;   PRIOR APPLICATION NUMBER: JP 11-248036
;   PRIOR FILING DATE: 1999-07-29
;   PRIOR APPLICATION NUMBER: JP 2000-118776
;   PRIOR FILING DATE: 2000-01-11
;   PRIOR APPLICATION NUMBER: JP 2000-183767
;   PRIOR FILING DATE: 2000-05-02
;   PRIOR APPLICATION NUMBER: JP 2000-241899
;   PRIOR FILING DATE: 2000-06-09
;   NUMBER OF SEQ ID NOS: 43
;   SOFTWARE: PatentIn Ver. 2.0
;
;   SEQ ID NO 11
;     LENGTH: 297
;     TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-060-065-11

Query Match             100.0%;  Score 53;  DB 4;  Length 297;
Best Local Similarity   100.0%;  Pred. No. 0.12;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
               |||||||||||
Db        134 LLIDDKGTIKL 144

RESULT 3
US-10-059-585-32
;   Sequence 32, Application US/10059585
;   Publication No. US20030082776A1
;   GENERAL INFORMATION:
;   APPLICANT: Ota, Toshio
;   APPLICANT: Isogai, Takao
;   APPLICANT: Nishikawa, Tetsuo
;   APPLICANT: Hayashi, Koji
;   APPLICANT: Otsuka, Kaoru
;   APPLICANT: Yamamoto, Jun-ichi
;   APPLICANT: Ishii, Shizuko
;   APPLICANT: Sugiyama, Tomoyasu
;   APPLICANT: Wakamatsu, Ai
;   APPLICANT: Nagai, Keiichi
;   APPLICANT: Otsuki, Tetsuji
;   APPLICANT: Funahashi, Shin-Ichi
;   APPLICANT: Senoo, Chiaki
;   APPLICANT: Nezu, Jun-Ichi
;   TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
;   TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
;   FILE REFERENCE: 06501-098001
;   CURRENT APPLICATION NUMBER: US/10/059,585
;   CURRENT FILING DATE: 2002-01-29
;   PRIOR APPLICATION NUMBER: PCT/JP00/05060
;   PRIOR FILING DATE: 2000-07-28
;   PRIOR APPLICATION NUMBER: US 60/159,590
;   PRIOR FILING DATE: 1999-10-18
;   PRIOR APPLICATION NUMBER: JP 2000-118776
;   PRIOR FILING DATE: 2000-01-11
;   PRIOR APPLICATION NUMBER: JP 2000-183767
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;   PRIOR FILING DATE: 2000-05-02
;   PRIOR APPLICATION NUMBER: JP 11-248036
;   PRIOR FILING DATE: 1999-07-29
;   NUMBER OF SEQ ID NOS: 64
;   SOFTWARE: FastSEQ for Windows Version 4.0
;
;   SEQ ID NO 32
;     LENGTH: 297
;     TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-059-585-32

Query Match             100.0%;  Score 53;  DB 4;  Length 297;
Best Local Similarity   100.0%;  Pred. No. 0.12;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
               |||||||||||
Db        134 LLIDDKGTIKL 144

RESULT 4
US-10-177-293-41
;   Sequence 41, Application US/10177293
;   Publication No. US20030124128A1
;   GENERAL INFORMATION:
;   APPLICANT: Lillie, James
;   APPLICANT: Glatt, Karen
;   APPLICANT: Zhao, Xumei
;   APPLICANT: Gannavarpu, Manjula
;   APPLICANT: Kamatkar, Shubhangi
;   APPLICANT: Mertens, Maureen
;   APPLICANT: Myer, Vic
;   APPLICANT: Wang, Youzhen
;   APPLICANT: Xu, Yongyao
;   APPLICANT: Hoersch, Sebastian
;   APPLICANT: Monahan, John
;   APPLICANT: Meyers, Rachel E.
;   APPLICANT: Bast Jr., Robert C.
;   APPLICANT: Hortobagyi, Gabriel N.
;   APPLICANT: Pusztai, Lajos
;   APPLICANT: Meric, Funda
;   APPLICANT: Sahin, Aysegul
;   APPLICANT: Mills, Gordon B.
;   TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
;   TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
;   FILE REFERENCE: MRI-038
;   CURRENT APPLICATION NUMBER: US/10/177,293
;   CURRENT FILING DATE: 2002-06-21
;   PRIOR APPLICATION NUMBER: US 60/299,887
;   PRIOR FILING DATE: 2001-06-21
;   PRIOR APPLICATION NUMBER: US 60/301,572
;   PRIOR FILING DATE: 2001-06-27
;   PRIOR APPLICATION NUMBER: US 60/306,501
;   PRIOR FILING DATE: 2001-07-18
;   PRIOR APPLICATION NUMBER: US 60/325,002
;   PRIOR FILING DATE: 2001-09-25
;   PRIOR APPLICATION NUMBER: US 60/362,585
;   PRIOR FILING DATE: 2002-03-05
;   PRIOR APPLICATION NUMBER: US 60/xxx,xxx
;   PRIOR FILING DATE: 2002-05-14
;   NUMBER OF SEQ ID NOS: 506
;   SOFTWARE: FastSEQ for Windows Version 4.0
;
;   SEQ ID NO 41
;     LENGTH: 297
;     TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-177-293-41

Query Match             100.0%;  Score 53;  DB 4;  Length 297;
Best Local Similarity   100.0%;  Pred. No. 0.12;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
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Db          134 LLIDDKGTIKL 144

RESULT 5
US-10-174-794-12
; Sequence 12, Application US/10174794
; Publication No. US20030166220A1
; GENERAL INFORMATION:
; APPLICANT: University of Southern California
; TITLE OF INVENTION: cDNA, GENOMIC, AND PREDICTED PROTEIN
; TITLE OF INVENTION: SEQUENCES OF LEARNING-INDUCED KINASES
; FILE REFERENCE: 13761-707
; CURRENT APPLICATION NUMBER: US/10/174,794
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US/09/411,628
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: US 60/102,906
; PRIOR FILING DATE: 1998-10-02
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-174-794-12

Query Match       100.0%;   Score 53;   DB 4;   Length 297;
Best Local Similarity  100.0%;   Pred. No. 0.12;
Matches   11;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 6
US-10-204-041-8
; Sequence 8, Application US/10204041
; Publication No. US20030176443A1
; GENERAL INFORMATION:
; APPLICANT: STEIN-GERLACH, MATTHIAS
; APPLICANT: SALASSIDIS, KONSTADINOS
; APPLICANT: BACHER, GERALD
; APPLICANT: MULLER, STEFAN
; TITLE OF INVENTION: Pyridylpyrimidine Derivatives as Effective Compounds Against Prio
; TITLE OF INVENTION: Infections and Prion Diseases
; FILE REFERENCE: AXM-007.1P US
; CURRENT APPLICATION NUMBER: US/10/204,041
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: EP 01111858.5
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: PCT/EP02/05420
; PRIOR FILING DATE: 2002-05-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-204-041-8

Query Match       100.0%;   Score 53;   DB 4;   Length 297;
Best Local Similarity  100.0%;   Pred. No. 0.12;
Matches   11;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 7
US-10-394-322A-6

; Sequence 6, Application US/10394322A
; Publication No. US20030232391A1
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-6

Query Match       100.0%;   Score 53;   DB 4;   Length 297;
Best Local Similarity  100.0%;   Pred. No. 0.12;
Matches   11;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 8
US-10-764-425-123
; Sequence 123, Application US/10764425
; Publication No. US20040146921A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; APPLICANT: Taylor, Ian
; TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE
; FILE REFERENCE: 5151
; CURRENT APPLICATION NUMBER: US/10/764,425
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: 60/442,582
; PRIOR FILING DATE: 2003-01-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-425-123

Query Match       100.0%;   Score 53;   DB 4;   Length 297;
Best Local Similarity  100.0%;   Pred. No. 0.12;
Matches   11;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 9
US-10-788-792-155
; Sequence 155, Application US/10788792
; Publication No. US20040191819A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Pharmaceuticals Corporation
; APPLICANT: Eveleigh, Deepa
; APPLICANT: Bigwood, Douglas
; TITLE OF INVENTION: EXPRESSION PROFILES FOR BREAST CANCER AND METHODS OF USE
; FILE REFERENCE: 5152
; CURRENT APPLICATION NUMBER: US/10/788,792
; CURRENT FILING DATE: 2004-02-27
; PRIOR APPLICATION NUMBER: US 60/450,655

; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 155
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-788-792-155

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Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 10
US-10-733-878-419
; Sequence 419, Application US/10733878
; Publication No. US2004022440BA1
; GENERAL INFORMATION:
; APPLICANT: Jean-Philippe Girard
; APPLICANT: Francois Amalric
; APPLICANT: Myriam Roussigne
; APPLICANT: Thomas Clouaire
; TITLE OF INVENTION: THAP PROTEINS AS NUCLEAR RECEPTORS FOR
; TITLE OF INVENTION: CHEMOKINES AND ROLES IN TRANSCRIPTIONAL REGULATION, CELL
; TITLE OF INVENTION: PROLIFERATION AND CELL DIFFERENTIATION
; FILE REFERENCE: BIOBANK.012A
; CURRENT APPLICATION NUMBER: US/10/733,878
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 60/432699
; PRIOR FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: 60/485027
; PRIOR FILING DATE: 2003-07-03
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 419
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-733-878-419

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Qy      1 LLIDDKGTIKL 11
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Db    134 LLIDDKGTIKL 144

RESULT 11
US-10-723-860-2448
; Sequence 2448, Application US/10723860
; Publication No. US2004025360BA1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2448
; LENGTH: 297

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-723-860-2448

Query Match        100.0%;  Score 53;  DB 5;  Length 297;
Best Local Similarity   100.0%;  Pred. No. 0.12;
Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 12
US-10-751-736-67
; Sequence 67, Application US/10751736
; Publication No. US2004026523OA1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 67
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-751-736-67

Query Match        100.0%;  Score 53;  DB 5;  Length 297;
Best Local Similarity   100.0%;  Pred. No. 0.12;
Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 13
US-10-732-923-1435
; Sequence 1435, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 1435
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Bos taurus
US-10-732-923-1435

Query Match        100.0%;  Score 53;  DB 5;  Length 297;
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Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 14
US-10-756-149-5363
; Sequence 5363, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5363
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5363

Query Match             100.0%;  Score 53;  DB 5;  Length 297;
Best Local Similarity   100.0%;  Pred. No. 0.12;
Matches    11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    134 LLIDDKGTIKL 144

RESULT 15
US-10-732-923-1427
; Sequence 1427, Application US/10732923
; Publication No. US20050108791A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REFERENCE: 38-15(52796)C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
; SEQ ID NO 1427
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Gallus gallus
US-10-732-923-1427

Query Match             90.6%;  Score 48;  DB 5;  Length 303;
Best Local Similarity   90.9%;  Pred. No. 1.1;
Matches    10;  Conservative    0;  Mismatches    0;  Indels    1;  Gaps    0;

Qy      1 LLIDDKGTIKL 11
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Db    134 LLIDDKGVIKL 144

Search completed: February 7, 2006, 13:47:32
Job time : 79.3234 secs

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OM protein - protein search, using sw model

Run on: February 7, 2006, 13:36:27 ; Search time 5.26596 Seconds
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24.478 Million cell updates/sec

Title: US-10-006-177A-9
Perfect score: 53
Sequence: 1 LLIDDKGTIKL 11
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Searched: 88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters: 88029

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*
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8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

SUMMARIES

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

| Result No. | Score | % Query Match | Length | DB | ID | Description |
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| 1 | 53 | 100.0 | 297 | 6 | US-10-770-726-48 | Sequence 48, Appl |
| 2 | 53 | 100.0 | 297 | 7 | US-11-109-156-11 | Sequence 11, Appl |
| 3 | 38 | 71.7 | 201 | 6 | US-10-878-556A-3 | Sequence 3, Appli |
| 4 | 37 | 69.8 | 256 | 6 | US-10-877-346-74 | Sequence 74, Appl |
| 5 | 37 | 69.8 | 277 | 7 | US-11-151-601-4 | Sequence 149, Appli |
| 6 | 37 | 69.8 | 278 | 6 | US-10-055-877-149 | Sequence 149, App |
| 7 | 37 | 69.8 | 278 | 7 | US-11-103-065-4 | Sequence 4, Appli |
| 8 | 37 | 69.8 | 278 | 6 | US-11-151-601-10 | Sequence 10, Appl |
| 9 | 37 | 69.8 | 288 | 6 | US-10-467-657-1682 | Sequence 1682, App |
| 10 | 37 | 69.8 | 520 | 7 | US-11-024-959-272 | Sequence 272, App |
| 11 | 37 | 69.8 | 1006 | 6 | US-10-467-657-8400 | Sequence 8400, Ap |
| 12 | 36 | 67.9 | 346 | 7 | US-11-000-365-50 | Sequence 50, Appl |
| 13 | 36 | 67.9 | 346 | 7 | US-11-032-794-52 | Sequence 52, Appl |
| 14 | 36 | 67.9 | 381 | 6 | US-11-132-142-9 | Sequence 9, Appli |
| 15 | 36 | 67.9 | 401 | 7 | US-11-000-365-50 | Sequence 50, Appl |
| 16 | 36 | 67.9 | 401 | 7 | US-11-032-794-50 | Sequence 50, Appl |
| 17 | 36 | 67.9 | 1311 | 6 | US-10-509-422-5 | Sequence 5, Appli |
| 18 | 35 | 66.0 | 346 | 6 | US-10-770-726-55 | Sequence 55, App |
| 19 | 35 | 66.0 | 509 | 7 | US-11-024-959-393 | Sequence 393, App |
| 20 | 35 | 66.0 | 555 | 6 | US-11-024-959-270 | Sequence 270, App |
| 21 | 34 | 64.2 | 740 | 6 | US-10-878-556A-129 | Sequence 129, App |
| 22 | 33 | 62.3 | 240 | 6 | US-10-786-065-6 | Sequence 6, Appli |
| 23 | 33 | 62.3 | 245 | 6 | US-10-786-065-7 | Sequence 7, Appli |
| 24 | 33 | 62.3 | 330 | 6 | US-10-786-065-8 | Sequence 8, Appli |
| 25 | 33 | 62.3 | 330 | 6 | US-10-786-065-9 | Sequence 9, Appli |
| 26 | 33 | 62.3 | 330 | 6 | US-10-786-065-10 | Sequence 10, Appl |
| 27 | 33 | 62.3 | 496 | 6 | US-10-770-726-72 | Sequence 72, Appl |
| 28 | 33 | 62.3 | 706 | 7 | US-11-024-959-269 | Sequence 269, App |
| 29 | 33 | 62.3 | 718 | 7 | US-11-024-959-273 | Sequence 273, App |
| 30 | 33 | 62.3 | 1735 | 7 | US-11-040-472-13 | Sequence 13, Appl |
| 31 | 32 | 60.4 | 2504 | 6 | US-10-647-956A-8 | Sequence 8, Appli |
| 32 | 32 | 60.4 | 271 | 6 | US-10-821-234-1419 | Sequence 1419, Ap |
| 33 | 32 | 60.4 | 298 | 6 | US-10-770-726-51 | Sequence 51, Appl |
| 34 | 32 | 60.4 | 309 | 6 | US-10-793-626-356 | Sequence 356, App |
| 35 | 32 | 60.4 | 338 | 7 | US-11-016-564-4 | Sequence 4, Appli |
| 36 | 32 | 60.4 | 341 | 6 | US-10-793-626-1188 | Sequence 1188, Ap |
| 37 | 32 | 60.4 | 347 | 6 | US-10-131-826A-18 | Sequence 18, Appl |
| 38 | 32 | 60.4 | 583 | 7 | US-11-024-959-268 | Sequence 268, App |
| 39 | 32 | 60.4 | 711 | 6 | US-10-467-657-2966 | Sequence 2966, Ap |
| 40 | 32 | 60.4 | 756 | 7 | US-11-113-837-20 | Sequence 20, Appl |
| 41 | 32 | 60.4 | 8695 | 7 | US-11-205-109-15 | Sequence 15, Appl |
| 42 | 31 | 58.5 | 32 | 6 | US-10-467-657-3652 | Sequence 3652, Ap |
| 43 | 31 | 58.5 | 235 | 7 | US-11-074-176-240 | Sequence 240, App |
| 44 | 31 | 58.5 | 251 | 6 | US-10-663-794-5 | Sequence 5, Appli |
| 45 | 31 | 58.5 | 251 | 6 | US-10-663-794-6 | Sequence 6, Appli |

ALIGNMENTS

RESULT 1
US-10-770-726-48
; Sequence 48, Application US/10770726
; Publication No. US20050266409A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 48
; LENGTH: 297
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-770-726-48

Query Match 100.0%; Score 53; DB 6; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.0055;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 LLIDDKGTIKL 11
          |||||||||||
Db  134 LLIDDKGTIKL 144
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RESULT 2
US-11-109-156-11
; Sequence 11, Application US/11109156
; Publication No. US20050250144A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-Ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-Ichi Funahashi
; APPLICANT: Chiaki Senoo

```
 ;   APPLICANT: Jun-Ichi Nezu
 ;   TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN
 ;   TITLE OF INVENTION: PHOSPHATASE
 ;   FILE REFERENCE: 06501-099002
 ;   CURRENT APPLICATION NUMBER: US/11/109,156
 ;   CURRENT FILING DATE:   2005-04-19
 ;   PRIOR APPLICATION NUMBER: US/10/060,065
 ;   PRIOR FILING DATE:   2002-01-29
 ;   PRIOR APPLICATION NUMBER: PCT/JP00/05061
 ;   PRIOR FILING DATE:   2000-07-28
 ;   PRIOR APPLICATION NUMBER: US 60/159,590
 ;   PRIOR FILING DATE:   1999-10-18
 ;   PRIOR APPLICATION NUMBER: US 60/183,322
 ;   PRIOR FILING DATE:   2000-02-17
 ;   PRIOR APPLICATION NUMBER: JP 11-248036
 ;   PRIOR FILING DATE:   1999-07-29
 ;   PRIOR APPLICATION NUMBER: JP 2000-118776
 ;   PRIOR FILING DATE:   2000-01-11
 ;   PRIOR APPLICATION NUMBER: JP 2000-183767
 ;   PRIOR FILING DATE:   2000-05-02
 ;   PRIOR APPLICATION NUMBER: JP 2000-241899
 ;   PRIOR FILING DATE:   2000-06-09
 ;   NUMBER OF SEQ ID NOS: 43
 ;   SOFTWARE: PatentIn Ver. 2.0
 ;   SEQ ID NO 11
 ;     LENGTH: 297
 ;     TYPE: PRT
 ;     ORGANISM: Homo sapiens
US-11-109-156-11

Query Match            100.0%;   Score 53;  DB 7;  Length 297;
Best Local Similarity   100.0%;   Pred. No. 0.0055;
Matches    11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db        134 LLIDDKGTIKL 144


RESULT 3
US-10-878-556A-3
 ;   Sequence 3, Application US/10878556A
 ;   Publication No. US2005026639A1
 ;   GENERAL INFORMATION:
 ;   APPLICANT: Hoffmann La-Roche Inc.
 ;   TITLE OF INVENTION: HCV regulated protein expression
 ;   FILE REFERENCE: 21762
 ;   CURRENT APPLICATION NUMBER: US/10/878,556A
 ;   CURRENT FILING DATE:   2004-06-28
 ;   NUMBER OF SEQ ID NOS: 199
 ;   SOFTWARE: PatentIn version 3.1
 ;   SEQ ID NO 3
 ;     LENGTH: 201
 ;     TYPE: PRT
 ;     ORGANISM: Homo sapiens
 ;   PUBLICATION INFORMATION:
 ;   DATABASE ACCESSION NUMBER: humangp/chr17-q8tcd5
 ;   DATABASE ENTRY DATE: 2003-04-22
US-10-878-556A-3

Query Match             71.7%;   Score 38;  DB 6;  Length 201;
Best Local Similarity    70.0%;   Pred. No. 2.5;
Matches     7;  Conservative   2;  Mismatches   2;  Indels   1;  Gaps   0;

Qy          1 LLIDDKGTIK 10
              |||||| |:::
Db        141 LLIDDKDTVR 150


RESULT 4
US-10-877-346-74
 ;   Sequence 74, Application US/10877346
 ;   Publication No. US2006001453A1
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 ;   GENERAL INFORMATION:
 ;   APPLICANT: Gerlach, Valerie L
 ;   APPLICANT: MacDougall, John R
 ;   APPLICANT: Smithson, Glennda
 ;   APPLICANT: Millet, Isabelle
 ;   APPLICANT: Stone, David
 ;   APPLICANT: Gunther, Erik
 ;   APPLICANT: Ellerman, Karen
 ;   APPLICANT: Grosse, William M
 ;   APPLICANT: Alsobrook II, John P
 ;   APPLICANT: Lepley, Denise M
 ;   APPLICANT: Burgess, Catherine E
 ;   APPLICANT: Padigaru, Muralidhara
 ;   APPLICANT: Kekuda, Ramesh
 ;   APPLICANT: Spytek, Kimberly A
 ;   APPLICANT: Leach, Martin D
 ;   APPLICANT: Shimkets, Richard A
 ;   TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
 ;   FILE REFERENCE: 21402-124
 ;   CURRENT APPLICATION NUMBER: US/10/877,346
 ;   CURRENT FILING DATE:   2004-06-25
 ;   PRIOR APPLICATION NUMBER: US/09/964,956
 ;   PRIOR FILING DATE:   2001-09-26
 ;   PRIOR APPLICATION NUMBER: 60/235,631
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/235,633
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/235,808
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/236,064
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/236,065
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/236,066
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/236,135
 ;   PRIOR FILING DATE:   2000-09-27
 ;   PRIOR APPLICATION NUMBER: 60/237,434
 ;   PRIOR FILING DATE:   2000-09-28
 ;   PRIOR APPLICATION NUMBER: 60/238,321
 ;   PRIOR FILING DATE:   2000-10-03
 ;   PRIOR APPLICATION NUMBER: 60/238,321
 ;   PRIOR FILING DATE:   2000-10-05
 ;   Remaining Prior Application data removed - See File Wrapper or PALM.
 ;   NUMBER OF SEQ ID NOS: 127
 ;   SOFTWARE: PatentIn Ver. 2.1
 ;   SEQ ID NO 74
 ;     LENGTH: 256
 ;     TYPE: PRT
 ;     ORGANISM: Artificial Sequence
 ;   FEATURE:
 ;   OTHER INFORMATION: Description of Artificial Sequence: Protein kinase
 ;   OTHER INFORMATION: domain Consensus Sequence
US-10-877-346-74

Query Match             69.8%;   Score 37;  DB 6;  Length 256;
Best Local Similarity    45.5%;   Pred. No. 5.1;
Matches     5;  Conservative   5;  Mismatches   5;  Indels   1;  Gaps   0;

Qy          1 LLIDDKGTIKL 11
              :|:|:.||:|:.
Db        129 ILLDENGTVKI 139


RESULT 5
US-11-151-601-4
 ;   Sequence 4, Application US/11151601
 ;   Publication No. US2006003413A1
 ;   GENERAL INFORMATION:
 ;   APPLICANT: Millennium Pharmaceuticals, Inc.
 ;   APPLICANT: Meyers, Rachel E.
 ;   APPLICANT: Olandt, Peter J.
 ;   APPLICANT: Kapeller-Libermann, Rosana
 ;   APPLICANT: Curtis, Rory A. J.
 ;   APPLICANT: Williamson, Mark
```

; APPLICANT: Weich, Nadine
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASE, PHOSPHATASE,
; TITLE OF INVENTION: AND PROTEASE FAMILY MEMBERS AND USES THEREOF
; FILE REFERENCE: MPI00-054P1RCP1OMNIDV1M
; CURRENT APPLICATION NUMBER: US/11/151,601
; CURRENT FILING DATE: 2005-06-13
; PRIOR APPLICATION NUMBER: US 10/170,789
; PRIOR FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/797,039
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/06525
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/186,061
; PRIOR FILING DATE: 2000-02-29
; PRIOR APPLICATION NUMBER: US 09/882,166
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: PCT/US01/19269
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/212,078
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 09/934,406
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: PCT/US01/26052
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 60/226,740
; PRIOR FILING DATE: 2000-08-21
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 277
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: consensus sequence
US-11-151-601-4

Qy     1 LLIDDKGTIKL 11
        :|:|: ||:||:
Db   121 ILLDENGTVKI 131

Query Match      69.8%;   Score 37;   DB 7;   Length 277;
Best Local Similarity   45.5%;   Pred. NO. 5.5;
Matches    5;   Conservative    5;   Mismatches    1;   Indels    0;   Gaps    0;

RESULT 6
US-10-055-877-149
; Sequence 149, Application US/10055877
; Publication No. US2005028824lA1
; GENERAL INFORMATION:
; APPLICANT: DeCristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Cahterine
; APPLICANT: Eisen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir

; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 149
;   LENGTH: 278
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:PKINASE domain
;   OTHER INFORMATION: consensus sequence
US-10-055-877-149

Qy     1 LLIDDKGTIKL 11
        :|:|: ||:||:
Db   122 ILLDENGTVKI 132

Query Match      69.8%;   Score 37;   DB 6;   Length 278;
Best Local Similarity   45.5%;   Pred. No. 5.6;
Matches    5;   Conservative    5;   Mismatches    1;   Indels    0;   Gaps    0;

RESULT 7
US-11-103-065-4
; Sequence 4, Application US/11103065
; Publication No. US2005028218A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel E., Lora, Jose M.
; TITLE OF INVENTION: 2150, Human Protein Kinase Family
; TITLE OF INVENTION: Member and Uses Therefor
; FILE REFERENCE: MPI2001-137P1RNM
; CURRENT APPLICATION NUMBER: US/11/103,065
; CURRENT FILING DATE: 2005-04-11
; PRIOR APPLICATION NUMBER: US/10/184,563
; PRIOR FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/301,702
; PRIOR FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 278
;   TYPE: PRT
;   ORGANISM: Artificial Sequence

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;   FEATURE:
;   OTHER INFORMATION: Consensus
US-11-103-065-4

Query Match            69.8%;  Score 37;  DB 7;  Length 278;
Best Local Similarity  45.5%;  Pred. No. 5.6;
Matches   5;  Conservative   5;  Mismatches   5;  Indels   1;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
          :|:|: ||:|:
Db    122 ILLDENGTVKI 132


RESULT 8
US-11-151-601-10
; Sequence 10, Application US/1151601
; Publication No. US2006003413A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Olandt, Peter J.
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Curtis, Rory A. J.
; APPLICANT: Williamson, Mark
; APPLICANT: Welch, Nadine
; TITLE OF INVENTION: NOVEL HUMAN PROTEIN KINASE, PHOSPHATASE,
; TITLE OF INVENTION:  AND PROTEASE FAMILY MEMBERS AND USES THEREOF
; FILE REFERENCE: MPI00-054P1RCP10MNIDV1M
; CURRENT APPLICATION NUMBER: US/11/151,601
; CURRENT FILING DATE: 2005-06-13
; PRIOR APPLICATION NUMBER: US 10/170,789
; PRIOR FILING DATE: 2002-06-13
; PRIOR APPLICATION NUMBER: US 09/797,039
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/06525
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 60/186,061
; PRIOR FILING DATE: 2000-02-29
; PRIOR APPLICATION NUMBER: US 09/882,166
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: PCT/US01/19269
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/212,078
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 09/934,406
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: PCT/US01/26052
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 60/226,740
; PRIOR FILING DATE: 2000-08-21
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus sequence
US-11-151-601-10

Query Match            69.8%;  Score 37;  DB 7;  Length 278;
Best Local Similarity  45.5%;  Pred. No. 5.6;
Matches   5;  Conservative   5;  Mismatches   5;  Indels   1;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
          :|:|: ||:|:
Db    122 ILLDENGTVKI 132


RESULT 9
US-10-467-657-1682
; Sequence 1682, Application US/10467657
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; Publication No. US2005026058lA1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE:  2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 1682
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1682

Query Match            69.8%;  Score 37;  DB 6;  Length 288;
Best Local Similarity  75.0%;  Pred. No. 5.8;
Matches   6;  Conservative   2;  Mismatches   2;  Indels   0;  Gaps   0;

Qy      4 DDKGTIKL 11
          ||||:|:
Db     68 DDKGTVKV 75


RESULT 10
US-11-024-959-272
; Sequence 272, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360
; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 272
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Eucalyptus sp.
US-11-024-959-272

Query Match            69.8%;  Score 37;  DB 7;  Length 520;
Best Local Similarity  63.6%;  Pred. No. 11;
Matches   7;  Conservative   7;  Mismatches   3;  Indels   1;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
          ||||::|:|:||
Db    169 LLIDNEGNLKL 179


RESULT 11
US-10-467-657-8400
; Sequence 8400, Application US/10467657
; Publication No. US2005026058lA1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SpA
; APPLICANT: FONTANA Maria Rita
```

```
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisabetta
; TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: SeqWin99, version 1.04
; SEQ ID NO 8400
; LENGTH: 1006
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8400

Query Match           69.8%;    Score 37;  DB 6;   Length 1006;
Best Local Similarity 75.0%;    Pred. No. 25;
Matches    6;  Conservative   2;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     4  DDKGTIKL   11
          |||||:|:|
Db   786  DDKGTVKV  793


RESULT 12
US-11-000-365-52
; Sequence 52, Application US/11000365
; Publication No. US20050267022A1
; GENERAL INFORMATION:
; APPLICANT: FRANZOSO, GUIDO
; APPLICANT: PAPA, SALVATORE
; APPLICANT: BUBICI, CONCETTA
; APPLICANT: DESMAELE, ENRICO
; APPLICANT: ZAZZERONI, FRANCESCA
; TITLE OF INVENTION: IDENTIFICATION OF NOVEL FACTORS THAT BLOCK PROGRAMMED
; TITLE OF INVENTION: CELL DEATH OR APOPTOSIS BY TARGETING JNK
; FILE REFERENCE: 21459-97705
; CURRENT APPLICATION NUMBER: US/11/000,365
; CURRENT FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 60/526,231
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: 10/626,905
; PRIOR FILING DATE: 2003-07-25
; PRIOR APPLICATION NUMBER: 10/263,330
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/328,811
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/326,492
; PRIOR FILING DATE: 2001-10-02
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 52
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-000-365-52

Query Match           67.9%;    Score 36;  DB 7;   Length 346;
Best Local Similarity 54.5%;    Pred. No. 11;
Matches    6;  Conservative   4;  Mismatches   1;  Indels   0;  Gaps   0;

Qy     1  LLIDDKGTIKL   11
          :|:|:|| |||
Db   176  ILLDERGQIKL  186


RESULT 13
US-11-032-794-52
; Sequence 52, Application US/11032794
; Publication No. US20050265970A1
; GENERAL INFORMATION:
; APPLICANT: FRANZOSO, GUIDO
; APPLICANT: PAPA, SALVATORE
; APPLICANT: BUBICI, CONCETTA
; APPLICANT: DESMAELE, ENRICO
; APPLICANT: ZAZZERONI, FRANCESCA
; TITLE OF INVENTION: IDENTIFICATION OF NOVEL FACTORS THAT BLOCK PROGRAMMED
; TITLE OF INVENTION: CELL DEATH OR APOPTOSIS BY TARGETING JNK
; FILE REFERENCE: 21459-97816
; CURRENT APPLICATION NUMBER: US/11/032,794
; CURRENT FILING DATE: 2005-01-10
; PRIOR APPLICATION NUMBER: 11/000,365
; PRIOR FILING DATE: 2004-11-29
; PRIOR APPLICATION NUMBER: 60/526,231
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: 10/626,905
; PRIOR FILING DATE: 2003-07-25
; PRIOR APPLICATION NUMBER: 10/263,330
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/328,811
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/326,492
; PRIOR FILING DATE: 2001-10-02
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 52
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-032-794-52

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Best Local Similarity 54.5%;    Pred. No. 11;
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Qy     1  LLIDDKGTIKL   11
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Db   176  ILLDERGQIKL  186


RESULT 14
US-11-132-142-9
; Sequence 9, Application US/11132142
; Publication No. US2005027818A1
; GENERAL INFORMATION:
; APPLICANT: The Burnham Institute
; APPLICANT: Sikora, Sergey
; APPLICANT: Godzik, Adam
; TITLE OF INVENTION: UNCHARACTERIZED ORF3 IN SARS-CORONAVIRUS IS A
; TITLE OF INVENTION: CYCLIC-AMP-DEPENDENT KINASE AND A TARGET FOR SARS THERAPY
; FILE REFERENCE: 8014-011-US
; CURRENT APPLICATION NUMBER: US/11/132,142
; CURRENT FILING DATE: 2005-05-17
; PRIOR APPLICATION NUMBER: 60/571,698
; PRIOR FILING DATE: 2004-05-17
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Leishmania sp.
US-11-132-142-9

Query Match           67.9%;    Score 36;  DB 7;   Length 381;
Best Local Similarity 54.5%;    Pred. No. 12;
Matches    6;  Conservative   4;  Mismatches   1;  Indels   0;  Gaps   0;

Qy     1  LLIDDKGTIKL   11
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RESULT 15
US-11-000-365-50
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; Sequence 50, Application US/11000365
; Publication No. US20050267022A1
; GENERAL INFORMATION:
;  APPLICANT: FRANZOSO, GUIDO
;  APPLICANT:  PAPA, SALVATORE
;  APPLICANT:  BUBICI, CONCETTA
;  APPLICANT:  DESMAELE, ENRICO
;  APPLICANT.  ZAZZERONI, FRANCESCA
;  TITLE OF INVENTION: IDENTIFICATION OF NOVEL FACTORS THAT BLOCK PROGRAMMED
;  TITLE OF INVENTION:  CELL DEATH OR APOPTOSIS BY TARGETING JNK
;  FILE REFERENCE: 21459-97705
;  CURRENT APPLICATION NUMBER: US/11/000,365
;  CURRENT FILING DATE:  2004-11-29
;  PRIOR APPLICATION NUMBER: 60/526,231
;  PRIOR FILING DATE: 2003-12-02
;  PRIOR APPLICATION NUMBER: 10/626,905
;  PRIOR FILING DATE: 2003-07-25
;  PRIOR APPLICATION NUMBER: 10/263,330
;  PRIOR FILING DATE: 2002-10-02
;  PRIOR APPLICATION NUMBER: 60/328,811
;  PRIOR FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: 60/326,492
;  PRIOR FILING DATE: 2001-10-02
;  NUMBER OF SEQ ID NOS: 52
;  SOFTWARE: PatentIn Ver. 3.3
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; SEQ ID NO 50
;  LENGTH: 401
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-11-000-365-50

Query Match             67.9%;   Score 36;  DB 7;  Length 401;
Best Local Similarity   54.5%;   Pred. No. 13;
Matches    6;  Conservative   4;  Mismatches   4;  Indels   1;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
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Db    249 ILLDERGQIKL 259


Search completed: February  7, 2006, 13:48:19
Job time : 5.36596 secs
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          OM protein - protein search, using sw model

               Copyright  GenCore version 5.1.7
               Copyright (c) 1993 - 2006  Biocceleration Ltd.

Run on:        February 7, 2006, 12:46:07 ; Search time 311.16 Seconds
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Perfect score:   53
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Post-processing: Minimum Match 0%
                 Maximum Match 100%
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   51: /cgn2_6/ptodata/1/paa/US607_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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## SUMMARIES

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| 1 | 53 | 100.0 | 11 | 30 | US-10-006-177-9 | Sequence 9, Appli |
| 2 | 53 | 100.0 | 47 | 45 | US-60-170-374-3190 | Sequence 3190, Ap |
| 3 | 53 | 100.0 | 72 | 45 | US-60-177-646-2232 | Sequence 2232, Ap |
| 4 | 53 | 100.0 | 72 | 45 | US-60-178-305-915 | Sequence 915, App |
| 5 | 53 | 100.0 | 77 | 45 | US-60-178-305-916 | Sequence 916, App |
| 6 | 53 | 100.0 | 78 | 45 | US-60-178-305-917 | Sequence 917, App |
| 7 | 53 | 100.0 | 195 | 31 | US-10-170-205E-37041 | Sequence 37041, A |
| 8 | 53 | 100.0 | 195 | 39 | US-10-932-349-2896 | Sequence 2896, Ap |
| 9 | 53 | 100.0 | 195 | 48 | US-60-452-680-23949 | Sequence 23949, A |
| 10 | 53 | 100.0 | 195 | 49 | US-60-500-337-2896 | Sequence 2896, Ap |
| 11 | 53 | 100.0 | 195 | 49 | US-60-505-218-507 | Sequence 507, App |
| 12 | 53 | 100.0 | 265 | 27 | US-09-760-443-1189 | Sequence 1189, Ap |
| 13 | 53 | 100.0 | 265 | 27 | US-09-760-446A-2179 | Sequence 2179, Ap |
| 14 | 53 | 100.0 | 265 | 32 | US-10-206-664-2179 | Sequence 2179, Ap |
| 15 | 53 | 100.0 | 265 | 32 | US-10-212-054-1189 | Sequence 1189, Ap |
| 16 | 53 | 100.0 | 270 | 8 | US-07-857-224A-31 | Sequence 31, Appl |
| 17 | 53 | 100.0 | 290 | 46 | US-60-206-600-93 | Sequence 93, Appl |
| 18 | 53 | 100.0 | 290 | 46 | US-60-208-965-133 | Sequence 133, App |
| 19 | 53 | 100.0 | 295 | 36 | US-10-679-063-8681 | Sequence 8681, Ap |
| 20 | 53 | 100.0 | 295 | 46 | US-60-213-178-608 | Sequence 608, App |
| 21 | 53 | 100.0 | 297 | 1 | PCT-US02-19669-41 | Sequence 41, Appl |
| 22 | 53 | 100.0 | 297 | 1 | PCT-US02-19669A-41 | Sequence 41, Appl |
| 23 | 53 | 100.0 | 297 | 1 | PCT-US03-38193-2448 | Sequence 2448, Ap |
| 24 | 53 | 100.0 | 297 | 1 | PCT-US04-0035-67 | Sequence 67, Appl |
| 25 | 53 | 100.0 | 297 | 1 | PCT-US04-02188-123 | Sequence 123, App |
| 26 | 53 | 100.0 | 297 | 1 | PCT-US04-07268-155 | Sequence 155, App |
| 27 | 53 | 100.0 | 297 | 1 | PCT-US04-24424-154 | Sequence 154, App |
| 28 | 53 | 100.0 | 297 | 27 | US-09-791-537-7643 | Sequence 7643, Ap |
| 29 | 53 | 100.0 | 297 | 27 | US-09-791-537-8882 | Sequence 8882, Ap |
| 30 | 53 | 100.0 | 297 | 27 | US-09-791-537-13366 | Sequence 13366, A |
| 31 | 53 | 100.0 | 297 | 27 | US-09-791-537-18173 | Sequence 18173, A |
| 32 | 53 | 100.0 | 297 | 27 | US-09-791-537-31329 | Sequence 31329, A |
| 33 | 53 | 100.0 | 297 | 27 | US-09-791-537-36406 | Sequence 36406, A |
| 34 | 53 | 100.0 | 297 | 27 | US-09-791-537-82564 | Sequence 82564, A |
| 35 | 53 | 100.0 | 297 | 29 | US-09-953-102A-19 | Sequence 19, Appl |
| 36 | 53 | 100.0 | 297 | 30 | US-09-059-585-32 | Sequence 32, Appl |
| 37 | 53 | 100.0 | 297 | 30 | US-10-060-065-11 | Sequence 11, Appl |
| 38 | 53 | 100.0 | 297 | 31 | US-10-126-052A-240 | Sequence 240, App |
| 39 | 53 | 100.0 | 297 | 31 | US-10-170-205E-36723 | Sequence 36723, A |
| 40 | 53 | 100.0 | 297 | 31 | US-10-177-293-41 | Sequence 41, Appl |
| 41 | 53 | 100.0 | 297 | 32 | US-10-204-041-8 | Sequence 8, Appli |
| 42 | 53 | 100.0 | 297 | 32 | US-10-219-051B-9769 | Sequence 9769, Ap |
| 43 | 53 | 100.0 | 297 | 32 | US-10-219-051B-9771 | Sequence 9771, Ap |
| 44 | 53 | 100.0 | 297 | 33 | US-10-385-422-39 | Sequence 39, Appl |
| 45 | 53 | 100.0 | 297 | 33 | US-10-394-322A-6 | Sequence 6, Appli |

## ALIGNMENTS

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RESULT 1
US-10-006-177-9
; Sequence 9, Application US/10006177
; GENERAL INFORMATION:
; APPLICANT: Ramakrishna, Venky
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; APPLICANT: Ross, Mark
; APPLICANT: Philip, Ramila
; TITLE OF INVENTION: Cytotoxic T-Lymphocyte-Inducing Immunogens for Prevention, Treatm
; FILE REFERENCE: 26747-35
; CURRENT APPLICATION NUMBER: US/10/006,177
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US/60/251,022
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: US/60/256,824
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
;  LENGTH: 11
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Epitopic Peptide
US-10-006-177-9

Query Match           100.0%;  Score 53;  DB 30;  Length 11;
Best Local Similarity 100.0%;  Pred. No. 0.0013;
Matches   11; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy         1 LLIDDKGTIKL 11
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Db         1 LLIDDKGTIKL 11

RESULT 2
US-60-170-374-3190
; Sequence 3190, Application US/60170374
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTIENS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000146
; CURRENT APPLICATION NUMBER: US/60/170,374
; CURRENT FILING DATE: 1999-12-13
; NUMBER OF SEQ ID NOS: 3666
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3190
;  LENGTH: 47
;  TYPE: PRT
;  ORGANISM: Human
US-60-170-374-3190

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Best Local Similarity 100.0%;  Pred. No. 0.0094;
Matches   11; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

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Db        18 LLIDDKGTIKL 28

RESULT 3
US-60-177-646-2232
; Sequence 2232, Application US/60177646
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000210
; CURRENT APPLICATION NUMBER: US/60/177,646
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 4226
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2232
;  LENGTH: 72
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;  TYPE: PRT
;  ORGANISM: HUMAN
US-60-177-646-2232

Query Match           100.0%;  Score 53;  DB 45;  Length 72;
Best Local Similarity 100.0%;  Pred. No. 0.017;
Matches   11; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy         1 LLIDDKGTIKL 11
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Db        39 LLIDDKGTIKL 49

RESULT 4
US-60-178-305-915
; Sequence 915, Application US/60178305
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; TITLE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 915
;  LENGTH: 72
;  TYPE: PRT
;  ORGANISM: HUMAN
US-60-178-305-915

Query Match           100.0%;  Score 53;  DB 45;  Length 72;
Best Local Similarity 100.0%;  Pred. No. 0.017;
Matches   11; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy         1 LLIDDKGTIKL 11
             |||||||||||
Db        39 LLIDDKGTIKL 49

RESULT 5
US-60-178-305-916
; Sequence 916, Application US/60178305
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; TITLE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000207
; CURRENT APPLICATION NUMBER: US/60/178,305
; CURRENT FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 916
;  LENGTH: 77
;  TYPE: PRT
;  ORGANISM: HUMAN
US-60-178-305-916

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Best Local Similarity 100.0%;  Pred. No. 0.018;
Matches   11; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy         1 LLIDDKGTIKL 11
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Db        48 LLIDDKGTIKL 58

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US-60-178-305-917
; Sequence 917, Application US/6017830
; GENERAL INFORMATION:
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;   APPLICANT: BONAZZI, VIVIEN
;   TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
;   TITLE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES, NUCLEIC ACID MOLECULES
;   TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
;   FILE REFERENCE: CL000207
;   CURRENT APPLICATION NUMBER: US/60/178,305
;   CURRENT FILING DATE: 2000-01-27
;   NUMBER OF SEQ ID NOS: 1740
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 917
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;   TYPE: PRT
;   ORGANISM: HUMAN
US-60-178-305-917

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Best Local Similarity  100.0%;     Pred. No. 0.019;
Matches   11;   Conservative    0;   Mismatches    0;   Indels   0;   Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db         59 LLIDDKGTIKL 69


RESULT 7
US-10-170-205E-37041
;   Sequence 37041, Application US/10170205E
;   GENERAL INFORMATION:
;   APPLICANT: ADAMS, Mark
;   TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN
;   TITLE OF INVENTION: CAPTURE AGENTS, AND USES THEREOF
;   FILE REFERENCE: CL001381
;   CURRENT APPLICATION NUMBER: US/10/170,205E
;   CURRENT FILING DATE: 2002-06-13
;   NUMBER OF SEQ ID NOS: 40312
;   SOFTWARE: PatentIn version 3.2
;   SEQ ID NO 37041
;   LENGTH: 195
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-170-205E-37041

Query Match           100.0%;     Score 53;   DB 31;    Length 195;
Best Local Similarity  100.0%;     Pred. No. 0.065;
Matches   11;   Conservative    0;   Mismatches    0;   Indels   0;   Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db        134 LLIDDKGTIKL 144


RESULT 8
US-10-932-349-2896
;   Sequence 2896, Application US/10932349
;   GENERAL INFORMATION:
;   APPLICANT: CARGILL, Michele
;   TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
;   TITLE OF INVENTION: ENCODING HUMAN KINASE PROTEINS, METHODS OF DETECTION AND
;   TITLE OF INVENTION: USES THEREOF
;   FILE REFERENCE: CL001483
;   CURRENT APPLICATION NUMBER: US/10/932,349
;   CURRENT FILING DATE: 2004-09-02
;   NUMBER OF SEQ ID NOS: 123188
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 2896
;   LENGTH: 195
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-932-349-2896

Query Match           100.0%;     Score 53;   DB 39;    Length 195;
Best Local Similarity  100.0%;     Pred. No. 0.065;
Matches   11;   Conservative    0;   Mismatches    0;   Indels   0;   Gaps   0;
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Qy          1 LLIDDKGTIKL 11
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Db        134 LLIDDKGTIKL 144


RESULT 9
US-60-452-680-23949
;   Sequence 23949, Application US/60452680
;   GENERAL INFORMATION:
;   APPLICANT: CARGILL, Michele
;   APPLICANT: GRUPE, Andrew
;   TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
;   TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001450
;   CURRENT APPLICATION NUMBER: US/60/452,680
;   CURRENT FILING DATE: 2003-03-07
;   NUMBER OF SEQ ID NOS: 116213
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 23949
;   LENGTH: 195
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-60-452-680-23949

Query Match           100.0%;     Score 53;   DB 48;    Length 195;
Best Local Similarity  100.0%;     Pred. No. 0.065;
Matches   11;   Conservative    0;   Mismatches    0;   Indels   0;   Gaps   0;

Qy          1 LLIDDKGTIKL 11
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Db        134 LLIDDKGTIKL 144


RESULT 10
US-60-500-337-2896
;   Sequence 2896, Application US/60500337
;   GENERAL INFORMATION:
;   APPLICANT: CARGILL, Michele
;   TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
;   TITLE OF INVENTION: ENCODING HUMAN KINASE PROTEINS, METHODS OF DETECTION AND
;   TITLE OF INVENTION: USES THEREOF
;   FILE REFERENCE: CL001483
;   CURRENT APPLICATION NUMBER: US/60/500,337
;   CURRENT FILING DATE: 2003-09-05
;   NUMBER OF SEQ ID NOS: 123188
;   SOFTWARE: FastSEQ for Windows Version 4.0
;   SEQ ID NO 2896
;   LENGTH: 195
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-60-500-337-2896

Query Match           100.0%;     Score 53;   DB 49;    Length 195;
Best Local Similarity  100.0%;     Pred. No. 0.065;
Matches   11;   Conservative    0;   Mismatches    0;   Indels   0;   Gaps   0;

Qy          1 LLIDDKGTIKL 11
              |||||||||||
Db        134 LLIDDKGTIKL 144


RESULT 11
US-60-505-218-507
;   Sequence 507, Application US/60505218
;   GENERAL INFORMATION:
;   APPLICANT: CARGILL, Michele
;   TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
;   TITLE OF INVENTION: CANCER, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001482
;   CURRENT APPLICATION NUMBER: US/60/505,218
;   CURRENT FILING DATE: 2003-09-24
;   NUMBER OF SEQ ID NOS: 22507
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 507
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-505-218-507

Query Match        100.0%;    Score 53;    DB 49;    Length 195;
Best Local Similarity  100.0%;  Pred. No. 0.065;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 LLIDDKGTIKL 11
           |||||||||||
Db   134 LLIDDKGTIKL 144


RESULT 12
US-09-760-443-1189
; Sequence 1189, Application US/09760443
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJZ12
; CURRENT APPLICATION NUMBER: US/09/760,443
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2164
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1189
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (27)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-760-443-1189

Query Match        100.0%;    Score 53;    DB 27;    Length 265;
Best Local Similarity  100.0%;  Pred. No. 0.099;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy     1 LLIDDKGTIKL 11
           |||||||||||
Db   102 LLIDDKGTIKL 112


RESULT 13
US-09-760-446A-2179
; Sequence 2179, Application US/09760446A
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT268
; CURRENT APPLICATION NUMBER: US/09/760,446A
; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/179,065     ; PRIOR FILING DATE: 2000-07-14
; PRIOR FILING DATE: 2000-01-31            ; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR APPLICATION NUMBER: 60/180,628     ; PRIOR FILING DATE: 2000-08-14
; PRIOR FILING DATE: 2000-02-04            ; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR APPLICATION NUMBER: 60/214,886     ; PRIOR FILING DATE: 2000-08-22
; PRIOR FILING DATE: 2000-06-28            ; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR APPLICATION NUMBER: 60/217,487     ; PRIOR FILING DATE: 2000-07-07
; PRIOR FILING DATE: 2000-08-14            ; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR APPLICATION NUMBER: 60/220,963     ; PRIOR FILING DATE: 2000-08-14
; PRIOR FILING DATE: 2000-07-11            ; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-26            ; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/217,496     ; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-07-11            ; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,447     ; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-08-14            ; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/218,290     ; PRIOR APPLICATION NUMBER: 60/235,834
;                                          ; PRIOR FILING DATE: 2000-09-27
;                                          ; PRIOR APPLICATION NUMBER: 60/234,274
;                                          ; PRIOR FILING DATE: 2000-09-21
;                                          ; PRIOR APPLICATION NUMBER: 60/234,223
;                                          ; PRIOR FILING DATE: 2000-09-21
;                                          ; PRIOR APPLICATION NUMBER: 60/228,924
;                                          ; PRIOR FILING DATE: 2000-08-30
;                                          ; PRIOR APPLICATION NUMBER: 60/224,518
;                                          ; PRIOR FILING DATE: 2000-08-14
;                                          ; PRIOR APPLICATION NUMBER: 60/236,369
;                                          ; PRIOR FILING DATE: 2000-09-29
;                                          ; PRIOR APPLICATION NUMBER: 60/224,519
;                                          ; PRIOR FILING DATE: 2000-08-14
;                                          ; PRIOR APPLICATION NUMBER: 60/220,964
;                                          ; PRIOR FILING DATE: 2000-07-26
;                                          ; PRIOR APPLICATION NUMBER: 60/241,809
;                                          ; PRIOR FILING DATE: 2000-10-20
;                                          ; PRIOR APPLICATION NUMBER: 60/249,299
;                                          ; PRIOR FILING DATE: 2000-11-17
;                                          ; PRIOR APPLICATION NUMBER: 60/236,327
;                                          ; PRIOR FILING DATE: 2000-09-29
;                                          ; PRIOR APPLICATION NUMBER: 60/241,785
;                                          ; PRIOR FILING DATE: 2000-10-20
;                                          ; PRIOR APPLICATION NUMBER: 60/244,617
;                                          ; PRIOR FILING DATE: 2000-11-01
;                                          ; PRIOR APPLICATION NUMBER: 60/225,268
;                                          ; PRIOR FILING DATE: 2000-08-14
;                                          ; PRIOR APPLICATION NUMBER: 60/236,368
;                                          ; PRIOR FILING DATE: 2000-09-29
;                                          ; PRIOR APPLICATION NUMBER: 60/251,856
;                                          ; PRIOR FILING DATE: 2000-12-08
;                                          ; PRIOR APPLICATION NUMBER: 60/251,868
;                                          ; PRIOR FILING DATE: 2000-12-08
;                                          ; PRIOR APPLICATION NUMBER: 60/229,344
;                                          ; PRIOR FILING DATE: 2000-09-01
;                                          ; PRIOR APPLICATION NUMBER: 60/234,997
;                                          ; PRIOR FILING DATE: 2000-09-25
;                                          ; PRIOR APPLICATION NUMBER: 60/229,343
;                                          ; PRIOR FILING DATE: 2000-09-01
;                                          ; PRIOR APPLICATION NUMBER: 60/229,345
;                                          ; PRIOR FILING DATE: 2000-09-01
;                                          ; PRIOR APPLICATION NUMBER: 60/229,287
;                                          ; PRIOR FILING DATE: 2000-09-01
;                                          ; PRIOR APPLICATION NUMBER: 60/229,513
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;                                          ; PRIOR APPLICATION NUMBER: 60/229,509
;                                          ; PRIOR FILING DATE: 2000-09-05
;                                          ; PRIOR APPLICATION NUMBER: 60/231,413
;                                          ; PRIOR FILING DATE: 2000-09-08
;                                          ; PRIOR APPLICATION NUMBER: 60/229,367
;                                          ; PRIOR FILING DATE: 2000-09-29
;                                          ; PRIOR APPLICATION NUMBER: 60/229,345
;                                          ; PRIOR FILING DATE: 2000-09-29
;                                          ; PRIOR APPLICATION NUMBER: 60/237,039
;                                          ; PRIOR FILING DATE: 2000-10-02
;                                          ; PRIOR APPLICATION NUMBER: 60/237,038
;                                          ; PRIOR FILING DATE: 2000-10-02
;                                          ; PRIOR APPLICATION NUMBER: 60/236,370
;                                          ; PRIOR FILING DATE: 2000-09-29
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; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,414
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,244
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/233,064
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/233,063
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,397
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,399
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,401
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,808
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,826
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,786
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,221
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/231,243
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,475
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/233,065
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,398

Query Match     100.0%;     Score 53;     DB 27;     Length 265;
Best Local Similarity     100.0%;     Pred. No. 0.099;
Matches   11;    Conservative    0;    Mismatches   0;    Indels    0;    Gaps    0;

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Qy     1 LLIDDKGTIKL 11
         |||||||||||
Db   102 LLIDDKGTIKL 112
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RESULT 14
US-10-206-664-2179
; Sequence 2179, Application US/10206664
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ68C1N
; CURRENT APPLICATION NUMBER: US/10/206,664
; CURRENT FILING DATE: 2002-07-29
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 2628
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2179
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (27)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-206-664-2179

Query Match     100.0%;     Score 53;     DB 32;     Length 265;
Best Local Similarity     100.0%;     Pred. No. 0.099;
Matches   11;    Conservative    0;    Mismatches   0;    Indels    0;    Gaps    0;

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Qy     1 LLIDDKGTIKL 11
         |||||||||||
Db   102 LLIDDKGTIKL 112
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RESULT 15
US-10-212-054-1189

; PRIOR APPLICATION NUMBER: 60/236,802
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/239,937
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/241,787
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,474
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,532
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/249,216
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,210
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/226,681
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,759
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,213
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/227,182
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/235,836
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/230,438
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/215,135
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 60/225,266
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/249,218
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,208
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,213
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,212
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,207
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,245
; PRIOR FILING DATE: 2000-11-17
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; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,217
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,211
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,215
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,264
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,214
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/249,297
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/232,400
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/231,242
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,080

; Sequence 1189, Application US/10212054
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PJ212C1N
;  CURRENT APPLICATION NUMBER: US/10/212,054
;  CURRENT FILING DATE: 2002-08-06
;  NUMBER OF SEQ ID NOS: 2164
;  Prior application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1189
;  LENGTH: 265
;  TYPE: PRT
;  ORGANISM: Homo sapiens
;  FEATURE:
;  NAME/KEY: misc_feature
;  LOCATION: (27)
;  OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-212-054-1189

Query Match         100.0%;  Score 53;  DB 32;  Length 265;
Best Local Similarity  100.0%;  Pred. No. 0.099;
Matches   11;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      1 LLIDDKGTIKL 11
          |||||||||||
Db    102 LLIDDKGTIKL 112

Search completed: February 7, 2006, 13:34:07
Job time : 312.16 secs

GenCore version 5.1.7

Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:          February 7, 2006, 12:45:47 ; Search time 22.766 Seconds
                                        (without alignments)
                                        36.315 Million cell updates/sec

Title:           US-10-006-177A-10
Perfect score:   57
Sequence:        1 RLYPWGVVEV 10
Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched:        572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters:          572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Issued Patents AA:*
                 1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
                 2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 57 | 100.0 | 361 | 2 | US-09-538-092-1331 | Sequence 1331, Ap |
| 2 | 56 | 98.2 | 369 | 1 | US-08-951-148-8 | Sequence 8, App |
| 3 | 56 | 98.2 | 369 | 1 | US-09-165-234-8 | Sequence 8, Appli |
| 4 | 56 | 98.2 | 369 | 2 | US-09-274-570-8 | Sequence 8, Appli |
| 5 | 56 | 98.2 | 478 | 1 | US-08-951-148-7 | Sequence 7, Appli |
| 6 | 56 | 98.2 | 478 | 1 | US-09-165-234-7 | Sequence 7, Appli |
| 7 | 56 | 98.2 | 478 | 2 | US-09-274-570-7 | Sequence 7, Appli |
| 8 | 56 | 98.2 | 478 | 1 | US-09-165-234-1 | Sequence 1, Appli |
| 9 | 56 | 98.2 | 478 | 2 | US-09-274-570-1 | Sequence 1, Appli |
| 10 | 56 | 98.2 | 478 | 2 | US-09-440-936-7 | Sequence 7, Appli |
| 11 | 56 | 98.2 | 478 | 2 | US-09-440-936-4 | Sequence 4, Appli |
| 12 | 56 | 98.2 | 478 | 2 | US-09-538-092-830 | Sequence 830, App |
| 13 | 56 | 98.2 | 478 | 2 | US-10-191-810-4 | Sequence 4, Appli |
| 14 | 56 | 98.2 | 605 | 2 | US-09-440-936-2 | Sequence 2, Appli |
| 15 | 51 | 89.5 | 314 | 2 | US-09-248-796A-20460 | Sequence 20460, A |
| 16 | 48 | 84.2 | 321 | 1 | US-08-592-126-143 | Sequence 143, App |
| 17 | 48 | 84.2 | 321 | 1 | US-09-168-595-143 | Sequence 143, App |
| 18 | 48 | 84.2 | 420 | 1 | US-08-592-126-142 | Sequence 142, App |
| 19 | 48 | 84.2 | 420 | 2 | US-09-168-595-142 | Sequence 142, App |
| 20 | 48 | 84.2 | 425 | 1 | US-08-951-148-3 | Sequence 3, Appli |
| 21 | 48 | 84.2 | 425 | 1 | US-09-165-234-3 | Sequence 3, Appli |
| 22 | 48 | 84.2 | 425 | 2 | US-09-274-570-3 | Sequence 3, Appli |
| 23 | 48 | 84.2 | 539 | 1 | US-09-978-182-3 | Sequence 3, Appli |
| 24 | 48 | 84.2 | 539 | 1 | US-09-205-681-3 | Sequence 3, Appli |
| 25 | 46 | 80.7 | 127 | 2 | US-09-270-767-41445 | Sequence 41445, A |
| 26 | 46 | 80.7 | 418 | 1 | US-09-978-182-5 | Sequence 5, Appli |
| 27 | 46 | 80.7 | 418 | 1 | US-09-205-681-5 | Sequence 5, Appli |
| 28 | 46 | 80.7 | 418 | 2 | US-09-538-092-1350 | Sequence 1350, Ap |
| 29 | 44 | 77.2 | 415 | 2 | US-09-538-092-467 | Sequence 467, App |
| 30 | 44 | 77.2 | 424 | 1 | US-08-951-148-9 | Sequence 9, Appli |
| 31 | 44 | 77.2 | 424 | 1 | US-09-165-234-9 | Sequence 9, Appli |
| 32 | 44 | 77.2 | 424 | 2 | US-09-274-570-9 | Sequence 9, Appli |
| 33 | 44 | 77.2 | 424 | 2 | US-09-538-092-1317 | Sequence 1317, Ap |
| 34 | 44 | 77.2 | 479 | 2 | US-09-248-796A-20464 | Sequence 20464, A |
| 35 | 40 | 70.2 | 197 | 2 | US-09-543-681A-6496 | Sequence 6496, Ap |
| 36 | 39 | 68.4 | 367 | 2 | US-09-032-372-4 | Sequence 4, Appli |
| 37 | 39 | 68.4 | 450 | 2 | US-09-489-039A-13998 | Sequence 13998, A |
| 38 | 38 | 66.7 | 14 | 1 | US-08-443-104-2 | Sequence 2, Appli |
| 39 | 38 | 66.7 | 14 | 1 | US-08-238-130-3 | Sequence 3, Appli |
| 40 | 38 | 66.7 | 14 | 1 | US-08-442-859-2 | Sequence 2, Appli |
| 41 | 38 | 66.7 | 14 | 1 | US-08-398-489-2 | Sequence 2, Appli |
| 42 | 38 | 66.7 | 14 | 1 | US-08-894-772-3 | Sequence 3, Appli |
| 43 | 38 | 66.7 | 14 | 1 | US-09-207-844-3 | Sequence 3, Appli |
| 44 | 38 | 66.7 | 14 | 1 | PCT-US95-05534-2 | Sequence 2, Appli |
| 45 | 38 | 66.7 | 388 | 1 | US-08-894-772-2 | Sequence 2, Appli |

ALIGNMENTS

RESULT 1
US-09-538-092-1331
; Sequence 1331, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
;   APPLICANT: Giot, Loic
;   APPLICANT: Mansfield, Traci A.
;   TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
;   FILE REFERENCE: 15966-542
;   CURRENT APPLICATION NUMBER: US/09/538,092
;   CURRENT FILING DATE: 2000-03-29
;   PRIOR APPLICATION NUMBER: 60/127,352
;   PRIOR FILING DATE: 1999-04-01
;   PRIOR APPLICATION NUMBER: 60/178,965
;   PRIOR FILING DATE: 2000-02-01
;   NUMBER OF SEQ ID NOS: 1387
;   SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 1331
;   LENGTH: 361
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (0)..(0)
;   OTHER INFORMATION: Polypeptide Accession Number Q15019
US-09-538-092-1331

Query Match             100.0%;  Score 57;  DB 2;  Length 361;
Best Local Similarity   100.0%;  Pred. No. 0.03;
Matches   10;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy        1 RLYPWGVVEV 10
            ||||||||||
Db      256 RLYPWGVVEV 265

RESULT 2
US-08-951-148-8
; Sequence 8, Application US/08951148
; Patent No. 5871973
; GENERAL INFORMATION:
;   APPLICANT: Hillman, Jennifer L.
;   APPLICANT: Bandman, Olga
;   APPLICANT: Lal, Preeti
;   APPLICANT: Shah, Purvi
;   TITLE OF INVENTION: CELL DIVISION REGULATORS
;   NUMBER OF SEQUENCES: 10
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Incyte Pharmaceuticals, Inc.
;   STREET: 3174 Porter Drive

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        CITY:  Palo Alto
        STATE:  CA
        COUNTRY:  USA
        ZIP:  94304
    COMPUTER READABLE FORM:
        MEDIUM TYPE:  Diskette
        COMPUTER:  IBM Compatible
        OPERATING SYSTEM:  DOS
        SOFTWARE:  FastSEQ for Windows Version 2.0
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER:  US/08/951,148
        FILING DATE:  Herewith
        CLASSIFICATION:
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER:
        FILING DATE:
    ATTORNEY/AGENT INFORMATION:
        NAME:  Billings, Lucy J.
        REGISTRATION NUMBER:  36,749
        REFERENCE/DOCKET NUMBER:  PF-0407 US
    TELECOMMUNICATION INFORMATION:
        TELEPHONE:  650-855-0555
        TELEFAX:  650-845-4166
        TELEX:
INFORMATION FOR SEQ ID NO:  8:
    SEQUENCE CHARACTERISTICS:
        LENGTH:  369 amino acids
        TYPE:  amino acid
        STRANDEDNESS:  single
        TOPOLOGY:  linear
    IMMEDIATE SOURCE:
        LIBRARY:  GenBank
        CLONE:  1829317
US-08-951-148-8

Query Match   98.2%;   Score 56;  DB 1;  Length 369;
Best Local Similarity   90.0%;   Pred. No. 0.046;
Matches   9;   Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy     1 RLYPWGVVEV 10
          |||||:|||
Db   263 RLYPWGIVEV 272
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RESULT 3
US-09-165-234-8
; Sequence 8, Application US/09165234
; Patent No. 5928899

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GENERAL INFORMATION:
    APPLICANT:  Hillman, Jennifer L.
    APPLICANT:  Bandman, Olga
    APPLICANT:  Lal, Preeti
    APPLICANT:  Shah, Purvi
    TITLE OF INVENTION:  CELL DIVISION REGULATORS
    NUMBER OF SEQUENCES:  10
    CORRESPONDENCE ADDRESS:
        ADDRESSEE:  Incyte Pharmaceuticals, Inc.
        STREET:  3174 Porter Drive
        CITY:  Palo Alto
        STATE:  CA
        COUNTRY:  USA
        ZIP:  94304
    COMPUTER READABLE FORM:
        MEDIUM TYPE:  Diskette
        COMPUTER:  IBM Compatible
        OPERATING SYSTEM:  DOS
        SOFTWARE:  FastSEQ for Windows Version 2.0
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER:  US/09/165,234
        FILING DATE:
        CLASSIFICATION:
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER:  08/951,148
        FILING DATE:
    ATTORNEY/AGENT INFORMATION:
        NAME:  Billings, Lucy J.
        REGISTRATION NUMBER:  36,749
        REFERENCE/DOCKET NUMBER:  PF-0407 US
    TELECOMMUNICATION INFORMATION:
        TELEPHONE:  650-855-0555
        TELEFAX:  650-845-4166
        TELEX:
INFORMATION FOR SEQ ID NO:  8:
    SEQUENCE CHARACTERISTICS:
        LENGTH:  369 amino acids
        TYPE:  amino acid
        STRANDEDNESS:  single
        TOPOLOGY:  linear
    IMMEDIATE SOURCE:
        LIBRARY:  GenBank
        CLONE:  1829317
US-09-165-234-8

Query Match   98.2%;   Score 56;  DB 1;  Length 369;
Best Local Similarity   90.0%;   Pred. No. 0.046;
Matches   9;   Conservative   1;  Mismatches   1;  Indels   0;  Gaps   0;

Qy     1 RLYPWGVVEV 10
          |||||:|||
Db   263 RLYPWGIVEV 272
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RESULT 4
US-09-274-570-8
; Sequence 8, Application US/09274570
; Patent No. 6121019

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GENERAL INFORMATION:
    APPLICANT:  Hillman, Jennifer L.
    APPLICANT:  Bandman, Olga
    APPLICANT:  Lal, Preeti
    APPLICANT:  Shah, Purvi
    TITLE OF INVENTION:  CELL DIVISION REGULATORS
    NUMBER OF SEQUENCES:  10
    CORRESPONDENCE ADDRESS:
        ADDRESSEE:  Incyte Pharmaceuticals, Inc.
        STREET:  3174 Porter Drive
        CITY:  Palo Alto
        STATE:  CA
        COUNTRY:  USA
        ZIP:  94304
    COMPUTER READABLE FORM:
        MEDIUM TYPE:  Diskette
        COMPUTER:  IBM Compatible
        OPERATING SYSTEM:  DOS
        SOFTWARE:  FastSEQ for Windows Version 2.0
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER:  US/09/274,570
        FILING DATE:
        CLASSIFICATION:
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER:  08/951,148
        FILING DATE:
    ATTORNEY/AGENT INFORMATION:
        NAME:  Billings, Lucy J.
        REGISTRATION NUMBER:  36,749
        REFERENCE/DOCKET NUMBER:  PF-0407 US
    TELECOMMUNICATION INFORMATION:
        TELEPHONE:  650-855-0555
        TELEFAX:  650-845-4166
        TELEX:
INFORMATION FOR SEQ ID NO:  8:
    SEQUENCE CHARACTERISTICS:
        LENGTH:  369 amino acids
        TYPE:  amino acid
        STRANDEDNESS:  single
        TOPOLOGY:  linear
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;  IMMEDIATE SOURCE:
;    LIBRARY: GenBank
;    CLONE: 1829317
US-09-274-570-8

Query Match              98.2%;  Score 56;  DB 2;  Length 369;
Best Local Similarity    90.0%;  Pred. No. 0.046;
  Matches    9;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 RLYPWGVVEV 10
           ||||||:|||
Db     263 RLYPWGIVEV 272

RESULT 5
US-08-951-148-1
;  Sequence 1, Application US/08951148
;  Patent No. 5871973
;  GENERAL INFORMATION:
;    APPLICANT: Hillman, Jennifer L.
;    APPLICANT: Bandman, Olga
;    APPLICANT: Lal, Preeti
;    APPLICANT: Shah, Purvi
;    TITLE OF INVENTION: CELL DIVISION REGULATORS
;    NUMBER OF SEQUENCES: 10
;    CORRESPONDENCE ADDRESS:
;    ADDRESSEE: Incyte Pharmaceuticals, Inc.
;    STREET: 3174 Porter Drive
;    CITY: Palo Alto
;    STATE: CA
;    COUNTRY: USA
;    ZIP: 94304
;    COMPUTER READABLE FORM:
;    MEDIUM TYPE: Diskette
;    COMPUTER: IBM Compatible
;    OPERATING SYSTEM: DOS
;    SOFTWARE: FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;    APPLICATION NUMBER: US/08/951,148
;    FILING DATE: Herewith
;    CLASSIFICATION: 514
;    PRIOR APPLICATION DATA:
;    APPLICATION NUMBER:
;    FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;    NAME: Billings, Lucy J.
;    REGISTRATION NUMBER: 36,749
;    REFERENCE/DOCKET NUMBER: PF-0407 US
;    TELECOMMUNICATION INFORMATION:
;    TELEPHONE: 650-855-0555
;    TELEFAX: 650-845-4166
;    TELEX:
;  INFORMATION FOR SEQ ID NO: 1:
;    SEQUENCE CHARACTERISTICS:
;    LENGTH: 478 amino acids
;    TYPE: amino acid
;    STRANDEDNESS: single
;    TOPOLOGY: linear
;  IMMEDIATE SOURCE:
;    LIBRARY: SPLNF2T01
;    CLONE: 26459
US-08-951-148-1

Query Match              98.2%;  Score 56;  DB 1;  Length 478;
Best Local Similarity    90.0%;  Pred. No. 0.06;
  Matches    9;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 RLYPWGVVEV 10
           ||||||:|||
Db     363 RLYPWGIVEV 372

RESULT 6
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US-08-951-148-7
;  Sequence 7, Application US/08951148
;  Patent No. 5871973
;  GENERAL INFORMATION:
;    APPLICANT: Hillman, Jennifer L.
;    APPLICANT: Bandman, Olga
;    APPLICANT: Lal, Preeti
;    APPLICANT: Shah, Purvi
;    TITLE OF INVENTION: CELL DIVISION REGULATORS
;    NUMBER OF SEQUENCES: 10
;    CORRESPONDENCE ADDRESS:
;    ADDRESSEE: Incyte Pharmaceuticals, Inc.
;    STREET: 3174 Porter Drive
;    CITY: Palo Alto
;    STATE: CA
;    COUNTRY: USA
;    ZIP: 94304
;    COMPUTER READABLE FORM:
;    MEDIUM TYPE: Diskette
;    COMPUTER: IBM Compatible
;    OPERATING SYSTEM: DOS
;    SOFTWARE: FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;    APPLICATION NUMBER: US/08/951,148
;    FILING DATE: Herewith
;    CLASSIFICATION: 514
;    PRIOR APPLICATION DATA:
;    APPLICATION NUMBER:
;    FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;    NAME: Billings, Lucy J.
;    REGISTRATION NUMBER: 36,749
;    REFERENCE/DOCKET NUMBER: PF-0407 US
;    TELECOMMUNICATION INFORMATION:
;    TELEPHONE: 650-855-0555
;    TELEFAX: 650-845-4166
;    TELEX:
;  INFORMATION FOR SEQ ID NO: 7:
;    SEQUENCE CHARACTERISTICS:
;    LENGTH: 478 amino acids
;    TYPE: amino acid
;    STRANDEDNESS: single
;    TOPOLOGY: linear
;  IMMEDIATE SOURCE:
;    LIBRARY: GenBank
;    CLONE: 51203
US-08-951-148-7

Query Match              98.2%;  Score 56;  DB 1;  Length 478;
Best Local Similarity    90.0%;  Pred. No. 0.06;
  Matches    9;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 RLYPWGVVEV 10
           ||||||:|||
Db     363 RLYPWGIVEV 372

RESULT 7
US-09-165-234-1
;  Sequence 1, Application US/09165234
;  Patent No. 5928899
;  GENERAL INFORMATION:
;    APPLICANT: Hillman, Jennifer L.
;    APPLICANT: Bandman, Olga
;    APPLICANT: Lal, Preeti
;    APPLICANT: Shah, Purvi
;    TITLE OF INVENTION: CELL DIVISION REGULATORS
;    NUMBER OF SEQUENCES: 10
;    CORRESPONDENCE ADDRESS:
;    ADDRESSEE: Incyte Pharmaceuticals, Inc.
;    STREET: 3174 Porter Drive
;    CITY: Palo Alto
;    STATE: CA
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;           COUNTRY: USA
;           ZIP: 94304
;       COMPUTER READABLE FORM:
;           MEDIUM TYPE: Diskette
;           COMPUTER: IBM Compatible
;           OPERATING SYSTEM: DOS
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;       CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/09/165,234
;           FILING DATE:
;           CLASSIFICATION:
;       PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: 08/951,148
;           FILING DATE:
;       ATTORNEY/AGENT INFORMATION:
;           NAME: Billings, Lucy J.
;           REGISTRATION NUMBER: 36,749
;           REFERENCE/DOCKET NUMBER: PF-0407 US
;       TELECOMMUNICATION INFORMATION:
;           TELEPHONE: 650-855-0555
;           TELEFAX: 650-845-4166
;           TELEX:
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 478 amino acids
;           TYPE: amino acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;       IMMEDIATE SOURCE:
;           LIBRARY: SPLNFZT01
;           CLONE: 26459
US-09-165-234-1

Query Match             98.2%;  Score 56;  DB 1;  Length 478;
Best Local Similarity   90.0%;  Pred. No. 0.06;
Matches    9;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 RLYPWGVVEV 10
          |||||:|||
Db    363 RLYPWGIVEV 372

RESULT 8
US-09-165-234-7
; Sequence 7, Application US/09165234
; Patent No. 5928899
; GENERAL INFORMATION:
;       APPLICANT: Hillman, Jennifer L.
;       APPLICANT: Bandman, Olga
;       APPLICANT: Lal, Preeti
;       APPLICANT: Shah, Purvi
;       TITLE OF INVENTION: CELL DIVISION REGULATORS
;       NUMBER OF SEQUENCES: 10
;       CORRESPONDENCE ADDRESS:
;           ADDRESSEE: Incyte Pharmaceuticals, Inc.
;           STREET: 3174 Porter Drive
;           CITY: Palo Alto
;           STATE: CA
;           COUNTRY: USA
;           ZIP: 94304
;       COMPUTER READABLE FORM:
;           MEDIUM TYPE: Diskette
;           COMPUTER: IBM Compatible
;           OPERATING SYSTEM: DOS
;           SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/09/165,234
;           FILING DATE:
;           CLASSIFICATION:
;       PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: 08/951,148
;           FILING DATE:
;       ATTORNEY/AGENT INFORMATION:
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;           NAME: Billings, Lucy J.
;           REGISTRATION NUMBER: 36,749
;           REFERENCE/DOCKET NUMBER: PF-0407 US
;       TELECOMMUNICATION INFORMATION:
;           TELEPHONE: 650-855-0555
;           TELEFAX: 650-845-4166
;           TELEX:
;   INFORMATION FOR SEQ ID NO: 7:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 478 amino acids
;           TYPE: amino acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;       IMMEDIATE SOURCE:
;           LIBRARY: GenBank
;           CLONE: 51203
US-09-165-234-7

Query Match             98.2%;  Score 56;  DB 1;  Length 478;
Best Local Similarity   90.0%;  Pred. No. 0.06;
Matches    9;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 RLYPWGVVEV 10
          |||||:|||
Db    363 RLYPWGIVEV 372

RESULT 9
US-09-274-570-1
; Sequence 1, Application US/09274570
; Patent No. 6121019
; GENERAL INFORMATION:
;       APPLICANT: Hillman, Jennifer L.
;       APPLICANT: Bandman, Olga
;       APPLICANT: Lal, Preeti
;       APPLICANT: Shah, Purvi
;       TITLE OF INVENTION: CELL DIVISION REGULATORS
;       NUMBER OF SEQUENCES: 10
;       CORRESPONDENCE ADDRESS:
;           ADDRESSEE: Incyte Pharmaceuticals, Inc.
;           STREET: 3174 Porter Drive
;           CITY: Palo Alto
;           STATE: CA
;           COUNTRY: USA
;           ZIP: 94304
;       COMPUTER READABLE FORM:
;           MEDIUM TYPE: Diskette
;           COMPUTER: IBM Compatible
;           OPERATING SYSTEM: DOS
;           SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/09/274,570
;           FILING DATE:
;           CLASSIFICATION:
;       PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: 08/951,148
;           FILING DATE:
;       ATTORNEY/AGENT INFORMATION:
;           NAME: Billings, Lucy J.
;           REGISTRATION NUMBER: 36,749
;           REFERENCE/DOCKET NUMBER: PF-0407 US
;       TELECOMMUNICATION INFORMATION:
;           TELEPHONE: 650-855-0555
;           TELEFAX: 650-845-4166
;           TELEX:
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 478 amino acids
;           TYPE: amino acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;       IMMEDIATE SOURCE:
;           LIBRARY: SPLNFZT01
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; CLONE: 26459
US-09-274-570-1

Query Match      98.2%;   Score 56;   DB 2;   Length 478;
Best Local Similarity   90.0%;   Pred. No. 0.06;
Matches   9;   Conservative   1;   Mismatches   0;   Indels   0;   Gaps   0;

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Qy    1  RLYPWGVVEV  10
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Db  363  RLYPWGIVEV  372
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RESULT 10
US-09-274-570-7
; Sequence 7, Application US/09274570
; Patent No. 6121019
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: CELL DIVISION REGULATORS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/274,570
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/951,148
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0407 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 478 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 51203
US-09-274-570-7

Query Match      98.2%;   Score 56;   DB 2;   Length 478;
Best Local Similarity   90.0%;   Pred. No. 0.06;
Matches   9;   Conservative   1;   Mismatches   0;   Indels   0;   Gaps   0;

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Qy    1  RLYPWGVVEV  10
         ||||||:|||
Db  363  RLYPWGIVEV  372
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RESULT 11
US-09-440-936-4
; Sequence 4, Application US/09440936
; Patent No. 6423504
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/09/440,936
; CURRENT FILING DATE: 1999-11-16
; EARLIER APPLICATION NUMBER: JP 325380/1998
; EARLIER FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-440-936-4

Query Match      98.2%;   Score 56;   DB 2;   Length 478;
Best Local Similarity   90.0%;   Pred. No. 0.06;
Matches   9;   Conservative   1;   Mismatches   0;   Indels   0;   Gaps   0;

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Qy    1  RLYPWGVVEV  10
         ||||||:|||
Db  363  RLYPWGIVEV  372
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RESULT 12
US-09-538-092-830
; Sequence 830, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 830
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)..(0)
; OTHER INFORMATION: Polypeptide Accession Number O43236
US-09-538-092-830

Query Match      98.2%;   Score 56;   DB 2;   Length 478;
Best Local Similarity   90.0%;   Pred. No. 0.06;
Matches   9;   Conservative   1;   Mismatches   0;   Indels   0;   Gaps   0;

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Qy    1  RLYPWGVVEV  10
         ||||||:|||
Db  363  RLYPWGIVEV  372
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RESULT 13
US-10-191-810-4
; Sequence 4, Application US/10191810
; Patent No. 6902898
; GENERAL INFORMATION:
; APPLICANT: Manami TANAKA and Tomoo TANAKA
; TITLE OF INVENTION: Human bradeion proteins, DNA encoding them, and use
; TITLE OF INVENTION: thereof
; FILE REFERENCE:

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;  CURRENT APPLICATION NUMBER: US/10/191,810
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: JP 10-325380
;  PRIOR FILING DATE: 1998/11/16
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn ver. 2.0
;  SEQ ID NO 4
;    LENGTH: 478
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-10-191-810-4

Query Match          98.2%;   Score 56;  DB 2;  Length 478;
Best Local Similarity 90.0%;   Pred. No. 0.06;
Matches    9;  Conservative  1;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 RLYPWGVVEV 10
          ||||||:|||
Db    363 RLYPWGIVEV 372


RESULT 14
US-09-440-936-2
;  Sequence 2, Application US/09440936
;  Patent No. 6423504
;  GENERAL INFORMATION:
;  APPLICANT: TANAKA, Manami
;  APPLICANT: TANAKA, Tomoo
;  TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
;  TITLE OF INVENTION: PROTEINS, AND USES THEREOF
;  FILE REFERENCE: 081356/0138
;  CURRENT APPLICATION NUMBER: US/09/440,936
;  CURRENT FILING DATE: 1999-11-16
;  EARLIER APPLICATION NUMBER: JP 325380/1998
;  EARLIER FILING DATE: 1998-11-16
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.0
;  SEQ ID NO 2
;    LENGTH: 605
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-09-440-936-2

Query Match          98.2%;   Score 56;  DB 2;  Length 605;
Best Local Similarity 90.0%;   Pred. No. 0.077;
Matches    9;  Conservative  1;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      1 RLYPWGVVEV 10
          ||||||:|||
Db    489 RLYPWGIVEV 498


RESULT 15
US-09-248-796A-20460
;  Sequence 20460, Application US/09248796A
;  Patent No. 6747137
;  GENERAL INFORMATION:
;  APPLICANT: Keith Weinstock et al
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
;  TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: 107196.132
;  CURRENT APPLICATION NUMBER: US/09/248,796A
;  CURRENT FILING DATE: 1999-02-12
;  PRIOR APPLICATION NUMBER: US 60/074,725
;  PRIOR FILING DATE: 1998-02-13
;  PRIOR APPLICATION NUMBER: US 60/096,409
;  PRIOR FILING DATE: 1998-08-13
;  NUMBER OF SEQ ID NOS: 28208
;  SEQ ID NO 20460
;    LENGTH: 314
;    TYPE: PRT
;    ORGANISM: Candida albicans
US-09-248-796A-20460
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Query Match          89.5%;   Score 51;  DB 2;  Length 314;
Best Local Similarity 90.0%;   Pred. No. 0.29;
Matches    9;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

Qy      1 RLYPWGVVEV 10
          |:||||||||
Db    162 RKYPWGVVEV 171

Search completed: February 7, 2006, 12:49:40
Job time : 22.766 secs
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                GenCore version 5.1.7
          Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on:     February 7, 2006, 13:34:34 ; Search time 72.0213 Seconds
                                          (without alignments)
                                   58.015 Million cell updates/sec

Title:          US-10-006-177A-10
Perfect score:  57
Sequence:       1 RLYPWGVVEV 10

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:   1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters:     1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Published Applications AA Main:*
      1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
      2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
      3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
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      6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 57 | 100.0 | 361 | 4 | US-10-231-956A-184 | Sequence 184, App |
| 2 | 57 | 100.0 | 361 | 4 | US-11-097-143-1014 | Sequence 1014, Ap |
| 3 | 56 | 98.2 | 118 | 4 | US-10-263-828-86 | Sequence 86, Appl |
| 4 | 56 | 98.2 | 369 | 3 | US-09-918-715-275 | Sequence 275, App |
| 5 | 56 | 98.2 | 369 | 5 | US-10-474-794-275 | Sequence 275, App |
| 6 | 56 | 98.2 | 369 | 5 | US-10-979-159-275 | Sequence 275, App |
| 7 | 56 | 98.2 | 369 | 5 | US-10-756-149-4728 | Sequence 4728, Ap |
| 8 | 56 | 98.2 | 379 | 5 | US-10-491-213-25 | Sequence 25, Appl |
| 9 | 56 | 98.2 | 459 | 5 | US-10-773-446-85 | Sequence 85, Appl |
| 10 | 56 | 98.2 | 478 | 4 | US-10-190-555-4 | Sequence 4, Appli |
| 11 | 56 | 98.2 | 478 | 4 | US-10-191-810-4 | Sequence 4, Appli |
| 12 | 56 | 98.2 | 605 | 4 | US-10-190-555-2 | Sequence 2, Appli |
| 13 | 52 | 91.2 | 346 | 4 | US-10-094-749-2456 | Sequence 2456, Ap |
| 14 | 51 | 89.5 | 315 | 4 | US-10-128-714-3287 | Sequence 3287, Ap |
| 15 | 51 | 89.5 | 364 | 4 | US-10-369-493-3813 | Sequence 3813, Ap |
| 16 | 51 | 89.5 | 397 | 4 | US-10-032-585-7533 | Sequence 7533, Ap |
| 17 | 51 | 89.5 | 426 | 4 | US-10-128-714-8287 | Sequence 8287, Ap |
| 18 | 51 | 89.5 | 496 | 4 | US-10-369-493-2274 | Sequence 2274, Ap |
| 19 | 50 | 87.7 | 393 | 4 | US-10-320-797-3163 | Sequence 3163, Ap |
| 20 | 50 | 87.7 | 441 | 4 | US-10-369-493-3525 | Sequence 3525, Ap |
| 21 | 50 | 87.7 | 520 | 4 | US-10-369-493-1809 | Sequence 1809, Ap |
| 22 | 49 | 86.0 | 444 | 4 | US-10-369-493-12937 | Sequence 12937, A |
| 23 | 48 | 84.2 | 308 | 4 | US-10-103-313-554 | Sequence 554, Appl |
| 24 | 48 | 84.2 | 308 | 4 | US-10-158-034-58 | Sequence 58, Appl |
| 25 | 48 | 84.2 | 321 | 4 | US-10-393-602-143 | Sequence 143, App |
| 26 | 48 | 84.2 | 336 | 3 | US-09-764-898-281 | Sequence 281, App |
| 27 | 48 | 84.2 | 354 | 4 | US-10-103-313-413 | Sequence 413, App |
| 28 | 48 | 84.2 | 370 | 4 | US-10-250-889-113 | Sequence 113, App |
| 29 | 48 | 84.2 | 380 | 4 | US-10-369-493-2180 | Sequence 2180, Ap |
| 30 | 48 | 84.2 | 420 | 4 | US-10-393-602-142 | Sequence 142, App |
| 31 | 48 | 84.2 | 429 | 4 | US-10-363-616-278 | Sequence 278, App |
| 32 | 48 | 84.2 | 429 | 4 | US-10-755-889-504 | Sequence 504, App |
| 33 | 48 | 84.2 | 465 | 4 | US-10-103-313-432 | Sequence 432, App |
| 34 | 48 | 84.2 | 476 | 4 | US-10-103-313-440 | Sequence 440, App |
| 35 | 48 | 84.2 | 539 | 6 | US-10-342-844-100 | Sequence 100, App |
| 36 | 48 | 84.2 | 539 | 6 | US-11-097-143-4917 | Sequence 4917, Ap |
| 37 | 48 | 84.2 | 567 | 5 | US-10-483-506-11 | Sequence 11, Appl |
| 38 | 48 | 84.2 | 792 | 5 | US-10-450-763-44637 | Sequence 44637, A |
| 39 | 47 | 82.5 | 407 | 4 | US-10-369-493-22050 | Sequence 22050, A |
| 40 | 46 | 80.7 | 418 | 4 | US-10-341-434-55 | Sequence 55, Appl |
| 41 | 46 | 80.7 | 427 | 6 | US-11-097-143-20556 | Sequence 20556, A |
| 42 | 46 | 80.7 | 427 | 6 | US-11-097-143-20568 | Sequence 20568, A |
| 43 | 45 | 78.9 | 506 | 4 | US-10-369-493-2253 | Sequence 2253, Ap |
| 44 | 44 | 77.2 | 90 | 4 | US-10-103-313-563 | Sequence 563, App |
| 45 | 44 | 77.2 | 90 | 4 | US-10-158-034-60 | Sequence 60, Appl |

ALIGNMENTS

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RESULT 1
US-10-231-956A-184
; Sequence 184, Application US/10231956A
; Publication No. US20040053233A1
; GENERAL INFORMATION:
; APPLICANT: Lorens, James B.
; APPLICANT: Xu, Weiduan
; APPLICANT: Bogenberger, Jakob
; APPLICANT: Holland, Sacha
; APPLICANT: Rigel Pharmaceuticals, Incorporated
; TITLE OF INVENTION: Modulators of Angiogenesis
; FILE REFERENCE: 021044-004100US
; CURRENT APPLICATION NUMBER: US/10/231,956A
; CURRENT FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 184
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-231-956A-184

  Query Match             100.0%;  Score 57;  DB 4;  Length 361;
  Best Local Similarity   100.0%;  Pred. No. 0.29;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RLYPWGVVEV 10
              ||||||||||
Db        256 RLYPWGVVEV 265


RESULT 2
US-11-097-143-1014
; Sequence 1014, Application US/11097143
; Publication No. US20050208558A1
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT APPLICATION NUMBER: US/11/097,143
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: 60/157,832
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: 60/160,191
; PRIOR FILING DATE: 1999-10-19
; PRIOR APPLICATION NUMBER: 60/161,932
; PRIOR FILING DATE: 1999-10-28
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; PRIOR APPLICATION NUMBER: 60/164,769
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/173,383
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/175,693
; PRIOR FILING DATE: 2000-01-12
; PRIOR APPLICATION NUMBER: 60/184,831
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/191,637
; PRIOR FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 43008
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1014
; LENGTH: 361
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-11-097-143-1014

Query Match            100.0%;   Score 57; DB 6;    Length 361;
Best Local Similarity  100.0%;   Pred. No. 0.29;
Matches   10;  Conservative   0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1  RLYPWGVVEV 10
         ||||||||||
Db  254  RLYPWGVVEV 263


RESULT 3
US-10-263-828-86
; Sequence 86, Application US/10263828
; Publication No. US20030138905A1
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT:   Glenn, Matthew
; APPLICANT:   Grigor, Murray R.
; APPLICANT:   Molenaar, Adrian J.
; TITLE OF INVENTION: Compositions isolated from bovine
; TITLE OF INVENTION: mammary gland and methods for their use.
; FILE REFERENCE: 11000.1044Uicon
; CURRENT APPLICATION NUMBER: US/10/263,828
; CURRENT FILING DATE:  2002-10-02
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Bovine
US-10-263-828-86

Query Match            98.2%;   Score 56; DB 4;    Length 118;
Best Local Similarity  90.0%;   Pred. No. 0.15;
Matches   9;  Conservative   1;  Mismatches  1;  Indels  0;  Gaps  0;

Qy    1  RLYPWGVVEV 10
         ||||||:|||
Db   63  RLYPWGIVEV 72


RESULT 4
US-09-918-715-275
; Sequence 275, Application US/09918715
; Publication No. US20030017157A1
; GENERAL INFORMATION:
; APPLICANT: Brad St. Croix
; APPLICANT:   Bert Vogelstein
; APPLICANT:   Kenneth Kinzler
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00134
; CURRENT APPLICATION NUMBER: US/09/918,715
; CURRENT FILING DATE:  2001-08-01
; PRIOR APPLICATION NUMBER: 60/222,599
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: 60/224,360
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/282,850
; PRIOR FILING DATE: 2000-04-11
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 275
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-918-715-275

Query Match            98.2%;   Score 56; DB 3;    Length 369;
Best Local Similarity  90.0%;   Pred. No. 0.43;
Matches   9;  Conservative   1;  Mismatches  1;  Indels  0;  Gaps  0;

Qy    1  RLYPWGVVEV 10
         ||||||:|||
Db  263  RLYPWGIVEV 272


RESULT 5
US-10-474-794-275
; Sequence 275, Application US/10474794
; Publication No. US20040213793A1
; GENERAL INFORMATION:
; APPLICANT: Carson-Walter, Eleanor
; APPLICANT:   St. Croix, Brad
; APPLICANT:   Vogelstein, Bert
; APPLICANT:   Kinzler, Kenneth
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00179
; CURRENT APPLICATION NUMBER: US/10/474,794
; CURRENT FILING DATE:  2003-10-14
; PRIOR APPLICATION NUMBER: 60/282,850
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 60/308,829
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 359
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 275
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-474-794-275

Query Match            98.2%;   Score 56; DB 4;    Length 369;
Best Local Similarity  90.0%;   Pred. No. 0.43;
Matches   9;  Conservative   1;  Mismatches  1;  Indels  0;  Gaps  0;

Qy    1  RLYPWGVVEV 10
         ||||||:|||
Db  263  RLYPWGIVEV 272


RESULT 6
US-10-979-159-275
; Sequence 275, Application US/10979159
; Publication No. US20050142138A1
; GENERAL INFORMATION:
; APPLICANT: Brad St. Croix
; APPLICANT:   Bert Vogelstein
; APPLICANT:   Kenneth Kinzler
; TITLE OF INVENTION: ENDOTHELIAL CELL EXPRESSION PATTERNS
; FILE REFERENCE: 1107.00134
; CURRENT APPLICATION NUMBER: US/10/979,159
; CURRENT FILING DATE:  2004-11-03
; PRIOR APPLICATION NUMBER: US/09/918,715
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/222,599
; PRIOR FILING DATE: 2000-08-02
; PRIOR APPLICATION NUMBER: 60/224,360
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/282,850
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;       PRIOR FILING DATE: 2000-04-11
;       NUMBER OF SEQ ID NOS: 358
;       SOFTWARE: FastSEQ for Windows Version 3.0
;       SEQ ID NO 275
;       LENGTH: 369
;       TYPE: PRT
;       ORGANISM: Homo sapiens
US-10-979-159-275

Query Match             98.2%;  Score 56;  DB 5;  Length 369;
Best Local Similarity   90.0%;  Pred. No. 0.43;
Matches    9;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RLYPWGVVEV 10
              |||||:|||
Db        263 RLYPWGIVEV 272


RESULT 7
US-10-756-149-4728
;       Sequence 4728, Application US/10756149
;       Publication No. US20050181375A1
;       GENERAL INFORMATION:
;       APPLICANT: Aziz, Natasha
;       APPLICANT: Zlotnik, Albert
;       TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
;       TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
;       FILE REFERENCE: file
;       CURRENT APPLICATION NUMBER: US/10/756,149
;       CURRENT FILING DATE: 2004-01-12
;       NUMBER OF SEQ ID NOS: 5818
;       SOFTWARE: PatentIn version 3.2
;       SEQ ID NO 4728
;       LENGTH: 369
;       TYPE: PRT
;       ORGANISM: Homo Sapiens
US-10-756-149-4728

Query Match             98.2%;  Score 56;  DB 5;  Length 369;
Best Local Similarity   90.0%;  Pred. No. 0.43;
Matches    9;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RLYPWGVVEV 10
              |||||:|||
Db        263 RLYPWGIVEV 272


RESULT 8
US-10-491-213-25
;       Sequence 25, Application US/10491213
;       Publication No. US20050048490A1
;       GENERAL INFORMATION:
;       APPLICANT: INCYTE CORPORATION; AZIMZAI, Yalda;
;       APPLICANT: BAUGHN, Mariah R.; BECHA, Shanya D.;
;       APPLICANT: BOROWSKY, Mark L.; CHAWLA, Narinder K.;
;       APPLICANT: ELLIOTT, Vicki S.; EMERLING, Brooke M.;
;       APPLICANT: GANDHI, Ameena R.; GIETZEN, Kimberly J.;
;       APPLICANT: GORVAD, Ann E.; GRIFFIN, Jennifer A.;
;       APPLICANT: HAFALIA, April J.A.; ISON, Craig H.;
;       APPLICANT: KABLE, Amy E.; KALAFUS, Daniel P.;
;       APPLICANT: LEHR-MASON, Patricia M.; LU, Dyung Aina M.;
;       APPLICANT: MARQUIS, Joseph P.; NGUYEN, Danniel B.;
;       APPLICANT: RAMKUMAR, Jayalaxmi; RICHARDSON, Thomas W.;
;       APPLICANT: KAREHT, Stephanie K.; SWARNAKAR, Anita;
;       APPLICANT: TANG, Y. Tom; TRAN, Uyen K.;
;       APPLICANT: WARREN, Bridget A.; XU, Yuming;
;       APPLICANT: YAO, Monique G.; YUE, Huibin;
;       APPLICANT: YUE, Henry
;       TITLE OF INVENTION: PROTEINS ASSOCIATED WITH CELL GROWTH, DIFFERENTIATION, AND DEATH
;       FILE REFERENCE: PF-1213 USN
;       CURRENT APPLICATION NUMBER: US/10/491,213
;       CURRENT FILING DATE: 2004-03-26
;       PRIOR APPLICATION NUMBER: PCT/US02/31095
;       PRIOR FILING DATE: 2002-09-26
;       PRIOR APPLICATION NUMBER: US 60/326,389
;       PRIOR FILING DATE: 2001-09-28
;       PRIOR APPLICATION NUMBER: US 60/327,380
;       PRIOR FILING DATE: 2001-10-05
;       PRIOR APPLICATION NUMBER: US 60/328,186
;       PRIOR FILING DATE: 2001-10-05
;       PRIOR APPLICATION NUMBER: US 60/329,690
;       PRIOR FILING DATE: 2001-10-12
;       PRIOR APPLICATION NUMBER: US 60/345,384
;       PRIOR FILING DATE: 2001-10-26
;       PRIOR APPLICATION NUMBER: US 60/348,165
;       PRIOR FILING DATE: 2001-10-26
;       PRIOR APPLICATION NUMBER: US 60/350,219
;       PRIOR FILING DATE: 2001-11-02
;       PRIOR APPLICATION NUMBER: US 60/344,518
;       PRIOR FILING DATE: 2001-11-09
;       PRIOR APPLICATION NUMBER: US 60/345,143
;       PRIOR FILING DATE: 2001-11-09
;       Remaining Prior Application data removed - See File Wrapper or PALM.
;       NUMBER OF SEQ ID NOS: 114
;       SOFTWARE: PERL Program
;       SEQ ID NO 25
;       LENGTH: 379
;       TYPE: PRT
;       ORGANISM: Homo sapiens
;       FEATURE:
;       NAME/KEY: misc_feature
;       OTHER INFORMATION: Incyte ID No: 7503786CD1
US-10-491-213-25

Query Match             98.2%;  Score 56;  DB 5;  Length 379;
Best Local Similarity   90.0%;  Pred. No. 0.44;
Matches    9;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RLYPWGVVEV 10
              |||||:|||
Db        264 RLYPWGIVEV 273


RESULT 9
US-10-773-446-85
;       Sequence 85, Application US/10773446
;       Publication No. US20050176662A1
;       GENERAL INFORMATION:
;       APPLICANT: INANA, GEORGE
;       APPLICANT: McLAREN, MARGARET
;       TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING AND TREATING RETINAL
;       TITLE OF INVENTION: DISEASES
;       FILE REFERENCE: 39532-192229
;       CURRENT APPLICATION NUMBER: US/10/773,446
;       CURRENT FILING DATE: 2004-02-09
;       NUMBER OF SEQ ID NOS: 131
;       SOFTWARE: PatentIn version 3.2
;       SEQ ID NO 85
;       LENGTH: 459
;       TYPE: PRT
;       ORGANISM: Homo sapiens
US-10-773-446-85

Query Match             98.2%;  Score 56;  DB 5;  Length 459;
Best Local Similarity   90.0%;  Pred. No. 0.53;
Matches    9;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 RLYPWGVVEV 10
              |||||:|||
Db        344 RLYPWGIVEV 353


RESULT 10
US-10-190-555-4
;       Sequence 4, Application US/10190555
;       Publication No. US20030099970A1
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  GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/10/190,555
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/440,936
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: JP 325380/1998
; PRIOR FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-555-4

Query Match          98.2%;  Score 56;  DB 4;  Length 478;
Best Local Similarity 90.0%;  Pred. No. 0.55;
Matches   9;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;

Qy     1 RLYPWGVVEV 10
         |||||:||||
Db   363 RLYPWGIVEV 372

RESULT 11
US-10-191-810-4
; Sequence 4, Application US/10191810
; Publication No. US2003011753A1
; GENERAL INFORMATION:
; APPLICANT: Manami TANAKA and Tomoo TANAKA
; TITLE OF INVENTION: Human bradeion proteins, DNA encoding them, and use
; TITLE OF INVENTION:  thereof
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/191,810
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: JP 10-325380
; PRIOR FILING DATE: 1998/11/16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 4
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-191-810-4

Query Match          98.2%;  Score 56;  DB 4;  Length 478;
Best Local Similarity 90.0%;  Pred. No. 0.55;
Matches   9;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;

Qy     1 RLYPWGVVEV 10
         |||||:||||
Db   363 RLYPWGIVEV 372

RESULT 12
US-10-190-555-2
; Sequence 2, Application US/10190555
; Publication No. US20030099970A1
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Manami
; APPLICANT: TANAKA, Tomoo
; TITLE OF INVENTION: HUMAN-DERIVED BRADEION PROTEINS, DNA CODING FOR THE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: 081356/0138
; CURRENT APPLICATION NUMBER: US/10/190,555
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: US/09/440,936
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: JP 325380/1998
; PRIOR FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 605
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-555-2

Query Match          98.2%;  Score 56;  DB 4;  Length 605;
Best Local Similarity 90.0%;  Pred. No. 0.69;
Matches   9;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;

Qy     1 RLYPWGVVEV 10
         |||||:||||
Db   489 RLYPWGIVEV 498

RESULT 13
US-10-094-749-2456
; Sequence 2456, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2456
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2456

Query Match          91.2%;  Score 52;  DB 1.9;  Length 346;
Best Local Similarity 88.9%;  Pred. No. 1.9;
Matches   8;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;

Qy     1 RLYPWGVVE 9
         |||||:|||
Db   272 RLYPWGIVE 280

RESULT 14
US-10-128-714-3287
; Sequence 3287, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
```

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;   APPLICANT:   Hu, Wenqi
;   APPLICANT:   Tishkoff, Daniel
;   APPLICANT:   Zamudio, Carlos
;   APPLICANT:   Eroshkin, Alexey M
;   APPLICANT:   Lemieux, Sebastien M
;   TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
;   TITLE OF INVENTION: Methods of Use
;   FILE REFERENCE: 10182-018-999
;   CURRENT APPLICATION NUMBER: US/10/128,714
;   CURRENT FILING DATE: 2002-04-23
;   PRIOR APPLICATION NUMBER: US 60/285,697
;   PRIOR FILING DATE: 2001-04-23
;   PRIOR APPLICATION NUMBER: US 60/287,066
;   PRIOR FILING DATE: 2001-04-27
;   PRIOR APPLICATION NUMBER: US 60/295,890
;   PRIOR FILING DATE: 2001-06-05
;   PRIOR APPLICATION NUMBER: US 60/303,899
;   PRIOR FILING DATE: 2001-07-09
;   PRIOR APPLICATION NUMBER: US 60/316,362
;   PRIOR FILING DATE: 2001-08-31
;   NUMBER OF SEQ ID NOS: 8603
;   SOFTWARE: PatentIn version 3.1
;   SEQ ID NO 3287
;     LENGTH: 315
;     TYPE: PRT
;     ORGANISM: Aspergillus fumigatus
US-10-128-714-3287

Query Match             89.5%;  Score 51;  DB 4;  Length 315;
Best Local Similarity   90.0%;  Pred. No. 2.5;
Matches     9;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

Qy      1 RLYPWGVVEV 10
            | ||||||||
Db    175 RQYPWGVVEV 184


RESULT 15
US-10-369-493-3813
;   Sequence 3813, Application US/10369493
;   Publication No. US20030233675A1
;   GENERAL INFORMATION:
;   APPLICANT: Cao, Yongwei
;   APPLICANT: Hinkle, Gregory J.
;   APPLICANT: Slater, Steven C.
;   APPLICANT: Goldman, Barry S.
;   APPLICANT: Chen, Xianfeng
;   TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
;   TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
;   FILE REFERENCE: 38-10(52052)B
;   CURRENT APPLICATION NUMBER: US/10/369,493
;   CURRENT FILING DATE: 2003-02-28
;   PRIOR APPLICATION NUMBER: US 60/360,039
;   PRIOR FILING DATE: 2002-02-21
;   NUMBER OF SEQ ID NOS: 47374
;   SEQ ID NO 3813
;     LENGTH: 364
;     TYPE: PRT
;     ORGANISM: Neurospora crassa
;     FEATURE:
;     NAME/KEY: unsure
;     LOCATION: (1)..(364)
;     OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3813

Query Match             89.5%;  Score 51;  DB 4;  Length 364;
Best Local Similarity   90.0%;  Pred. No. 2.9;
Matches     9;  Conservative  0;  Mismatches  0;  Indels  1;  Gaps  0;

Qy      1 RLYPWGVVEV 10
            | ||||||||
Db    213 RQYPWGVVEV 222
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Search completed: February 7, 2006, 13:47:33
Job time : 73.1213 secs

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OM protein - protein search, using sw model

Run on:      February 7, 2006, 13:36:27 ; Search time 4.78723 Seconds
                                            (without alignments)
                                         24.478 Million cell updates/sec

Title:           US-10-006-177A-10
Perfect score:   57
Sequence:        1 RLYPWGVVEV 10
Scoring table:   BLOSUM62
                 Gapop 10.0 , Gapext 0.5
Searched:        88029 seqs, 11718060 residues

Total number of hits satisfying chosen parameters:        88029

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :  Published Applications AA New:*
            1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
            2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
            3: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
            4: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
            5: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
            6: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
            7: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
            8: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

| Result No. | Score | % Query Match | Match Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 46 | 80.7 | 418 | 6 | US-10-878-556A-78 | Sequence 78, Appl |
| 2 | 39 | 68.4 | 367 | 7 | US-11-152-366-35 | Sequence 35, Appl |
| 3 | 37 | 64.9 | 654 | 6 | US-10-770-726-82 | Sequence 82, Appl |
| 4 | 36 | 63.2 | 486 | 7 | US-11-012-668-12 | Sequence 12, Appl |
| 5 | 36 | 63.2 | 497 | 7 | US-11-012-668-10 | Sequence 10, Appl |
| 6 | 36 | 63.2 | 777 | 6 | US-10-645-441-3 | Sequence 3, Appli |
| 7 | 36 | 63.2 | 841 | 6 | US-10-725-475-5 | Sequence 5, Appli |
| 8 | 36 | 63.2 | 841 | 7 | US-11-050-804-2 | Sequence 2, Appli |
| 9 | 35 | 61.4 | 249 | 7 | US-11-054-515-323 | Sequence 323, App |
| 10 | 35 | 61.4 | 249 | 7 | US-11-054-515-340 | Sequence 340, App |
| 11 | 35 | 61.4 | 249 | 7 | US-11-054-515-486 | Sequence 486, App |
| 12 | 35 | 61.4 | 249 | 7 | US-11-054-515-574 | Sequence 574, App |
| 13 | 35 | 61.4 | 249 | 7 | US-11-054-515-586 | Sequence 586, App |
| 14 | 35 | 61.4 | 249 | 7 | US-11-054-515-619 | Sequence 619, App |
| 15 | 35 | 61.4 | 249 | 7 | US-11-054-515-637 | Sequence 637, App |
| 16 | 35 | 61.4 | 249 | 7 | US-11-054-515-640 | Sequence 640, App |
| 17 | 35 | 61.4 | 249 | 7 | US-11-054-515-648 | Sequence 648, App |
| 18 | 35 | 61.4 | 249 | 7 | US-11-054-515-649 | Sequence 649, App |
| 19 | 35 | 61.4 | 249 | 7 | US-11-054-515-676 | Sequence 676, App |
| 20 | 35 | 61.4 | 249 | 7 | US-11-054-515-712 | Sequence 712, App |
| 21 | 35 | 61.4 | 249 | 7 | US-11-054-515-739 | Sequence 739, App |
| 22 | 35 | 61.4 | 249 | 7 | US-11-054-515-780 | Sequence 780, App |
| 23 | 35 | 61.4 | 249 | 7 | US-11-054-515-809 | Sequence 809, App |
| 24 | 35 | 61.4 | 422 | 7 | US-11-110-851-4 | Sequence 4, Appli |
| 25 | 34 | 59.6 | 190 | 6 | US-10-466-794A-6 | Sequence 6, Appli |
| 26 | 34 | 59.6 | 193 | 7 | US-11-055-822-568 | Sequence 568, App |
| 27 | 33 | 57.9 | 198 | 6 | US-10-131-826A-550 | Sequence 550, App |
| 28 | 33 | 57.9 | 301 | 7 | US-10-131-826A-176 | Sequence 176, App |
| 29 | 33 | 57.9 | 344 | 7 | US-11-186-284-138 | Sequence 138, App |
| 30 | 32 | 56.1 | 314 | 7 | US-11-010-239-123 | Sequence 123, App |
| 31 | 32 | 56.1 | 368 | 7 | US-11-000-463-916 | Sequence 916, App |
| 32 | 32 | 56.1 | 388 | 7 | US-11-000-463-444 | Sequence 444, App |
| 33 | 32 | 56.1 | 457 | 6 | US-10-131-826A-236 | Sequence 236, App |
| 34 | 32 | 56.1 | 463 | 6 | US-10-501-411A-341 | Sequence 341, App |
| 35 | 32 | 56.1 | 541 | 7 | US-11-059-814-20 | Sequence 20, Appl |
| 36 | 31 | 54.4 | 42 | 6 | US-10-895-064-1585 | Sequence 1585, Ap |
| 37 | 31 | 54.4 | 48 | 6 | US-10-467-657-5558 | Sequence 5558, Ap |
| 38 | 31 | 54.4 | 141 | 6 | US-10-793-626-1718 | Sequence 1718, Ap |
| 39 | 31 | 54.4 | 249 | 7 | US-11-054-515-364 | Sequence 364, App |
| 40 | 31 | 54.4 | 249 | 7 | US-11-054-515-470 | Sequence 470, App |
| 41 | 31 | 54.4 | 249 | 7 | US-11-054-515-487 | Sequence 487, App |
| 42 | 31 | 54.4 | 249 | 7 | US-11-054-515-489 | Sequence 489, App |
| 43 | 31 | 54.4 | 249 | 7 | US-11-054-515-601 | Sequence 601, App |
| 44 | 31 | 54.4 | 249 | 7 | US-11-054-515-625 | Sequence 625, App |
| 45 | 31 | 54.4 | 249 | 7 | US-11-054-515-630 | Sequence 630, App |

ALIGNMENTS

```
RESULT 1
US-10-878-556A-78
; Sequence 78, Application US/10878556A
; Publication No. US2005026639A1
; GENERAL INFORMATION:
; APPLICANT: Hoffmann La-Roche Inc.
; TITLE OF INVENTION: HCV regulated protein expression
; FILE REFERENCE: 21762
; CURRENT APPLICATION NUMBER: US/10/878,556A
; CURRENT FILING DATE: 2004-06-28
; NUMBER OF SEQ ID NOS: 199
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: sw_hum/sep7_human
; DATABASE ENTRY DATE: 1997-11-01
US-10-878-556A-78

Query Match          80.7%;  Score 46;  DB 6;  Length 418;
Best Local Similarity 70.0%;  Pred. No. 0.5;
Matches   7;  Conservative  1;  Mismatches  2;  Indels  0;  Gaps  0;

Qy     1 RLYPWGVVEV 10
           |||||:||
Db   246 RQYPWGIAEV 255

RESULT 2
US-11-152-366-35
; Sequence 35, Application US/11152366
; Publication No. US2006001484A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods For Identification, And Compounds Useful For The
; TITLE OF INVENTION: Treatment Of Degenerative & Inflammatory Diseases
; FILE REFERENCE: P27,880-A USA
; CURRENT APPLICATION NUMBER: US/11/152,366
; CURRENT FILING DATE: 2005-06-14
; PRIOR APPLICATION NUMBER: 60/579,307
; PRIOR FILING DATE: 2004-06-14
; NUMBER OF SEQ ID NOS: 295
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 35
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;  LENGTH: 367
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-11-152-366-35

Query Match     68.4%;   Score 39; DB 7; Length 367;
Best Local Similarity   70.0%;   Pred. No. 7;
Matches   7; Conservative  0; Mismatches  3; Indels  0; Gaps  0;

Qy    1 RLYPWGVVEV 10
        :||||||||
Db  245 RRYSWGTVEV 254

RESULT 3
US-10-770-726-82
; Sequence 82, Application US/10770726
; Publication No. US2005026409A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 82
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-770-726-82

Query Match     64.9%;   Score 37; DB 6; Length 654;
Best Local Similarity   60.0%;   Pred. No. 25;
Matches   6; Conservative  2; Mismatches  2; Indels  2; Gaps  0;

Qy    1 RLYPWGVVEV 10
        :|||||||
Db  601 KLKPWGLFEV 610

RESULT 4
US-11-012-668-12
; Sequence 12, Application US/11012668
; Publication No. US2006010512A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Rafalski, J. Antoni
; TITLE OF INVENTION: Nitrogen Transport Metabolism
; FILE REFERENCE: BB-1210
; CURRENT APPLICATION NUMBER: US/11/012,668
; CURRENT FILING DATE: 2004-12-15
; PRIOR APPLICATION NUMBER: 60/098,248
; PRIOR FILING DATE: 28 August 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 12
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Glycine max
US-11-012-668-12

Query Match     63.2%;   Score 36; DB 7; Length 486;
Best Local Similarity   62.5%;   Pred. No. 29;
Matches   5; Conservative  2; Mismatches  2; Indels  1; Gaps  0;

Qy    2 LYPWGVVE 9
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Db  186 LYQWGVID 193

RESULT 5
US-11-012-668-10
; Sequence 10, Application US/11012668
; Publication No. US2006010512A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Rafalski, J. Antoni
; TITLE OF INVENTION: Nitrogen Transport Metabolism
; FILE REFERENCE: BB-1210
; CURRENT APPLICATION NUMBER: US/11/012,668
; CURRENT FILING DATE: 2004-12-15
; PRIOR APPLICATION NUMBER: 60/098,248
; PRIOR FILING DATE: 28 August 1998
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 10
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Oryza sativa
US-11-012-668-10

Query Match     63.2%;   Score 36; DB 7; Length 497;
Best Local Similarity   62.5%;   Pred. No. 29;
Matches   5; Conservative  2; Mismatches  2; Indels  1; Gaps  0;

Qy    2 LYPWGVVE 9
        |||||:::
Db  189 LYQWGVID 196

RESULT 6
US-10-645-441-3
; Sequence 3, Application US/10645441
; Publication No. US2005026059A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrashekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307B-120110US
; CURRENT APPLICATION NUMBER: US/10/645,441
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: US/09/927,315
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 777
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human T1R1 sweet taste receptor
US-10-645-441-3

Query Match     63.2%;   Score 36; DB 6; Length 777;
Best Local Similarity   55.6%;   Pred. No. 43;
Matches   5; Conservative  3; Mismatches  3; Indels  1; Gaps  0;

Qy    1 RLYPWGVVE 9
        |:||| ::|
Db  351 RVYPWQLLE 359

RESULT 7
US-10-725-475-5
; Sequence 5, Application US/10725475
; Publication No. US2006014208A1
; GENERAL INFORMATION:
;  APPLICANT: ZOLLER, MARK
;  APPLICANT: LI, XIADONG
;  APPLICANT: STASZEWSKI, LENA
;  APPLICANT: O'CONNELL, SHAWN
;  APPLICANT: ZOZULYA, SERGEY
;  APPLICANT: ADLER, JON
;  APPLICANT: XU, HONG
;  APPLICANT: ECHEVERRI, FERNANDO
;  TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS AND CELL LINES
;  TITLE OF INVENTION:  THAT EXPRESS SAID RECEPTORS AND USE THEREOF FOR
;  TITLE OF INVENTION:  IDENTIFICATION OF TASTE COMPOUNDS
;  FILE REFERENCE: 078003-0291566
;  CURRENT APPLICATION NUMBER: US/10/725,475
;  CURRENT FILING DATE:  2003-12-03
;  PRIOR APPLICATION NUMBER: 60/300,434
;  PRIOR FILING DATE: 2001-06-26
;  PRIOR APPLICATION NUMBER: 60/304,749
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: 60/310,493
;  PRIOR FILING DATE: 2001-08-08
;  PRIOR APPLICATION NUMBER: 60/331,771
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: 60/339,472
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: 60/372,090
;  PRIOR FILING DATE: 2002-04-15
;  PRIOR APPLICATION NUMBER: 60/374,143
;  PRIOR FILING DATE: 2002-04-22
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;  LENGTH: 841
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-10-725-475-5

Query Match               63.2%;     Score 36;  DB 6;   Length 841;
Best Local Similarity     55.6%;     Pred. No. 46;
Matches     5;   Conservative     3;   Mismatches     3;   Indels     1;   Gaps     0;

Qy         1 RLYPWGVVE 9
             |:||| .:|
Db       415 RVYPWQLLE 423

RESULT 8
US-11-050-804-2
; Sequence 2, Application US/11050804
; Publication No. US2005028517A1
; GENERAL INFORMATION:
;  APPLICANT: ADLER, JON ELLIOT
;  APPLICANT: LI, XIADONG
;  APPLICANT: STAZEWSKI, LENA
;  APPLICANT: XU, HONG
;  APPLICANT: EHEVERRI, FERNANDO
;  TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS
;  FILE REFERENCE: T1530-00006
;  CURRENT APPLICATION NUMBER: US/11/050,804
;  CURRENT FILING DATE:  2005-02-07
;  PRIOR APPLICATION NUMBER: 09/897,427
;  PRIOR FILING DATE: 2001-07-03
;  PRIOR APPLICATION NUMBER: 60/284,547
;  PRIOR FILING DATE: 2001-04-19
;  PRIOR APPLICATION NUMBER: 60/300,434
;  PRIOR FILING DATE: 2001-06-26
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 2
;  LENGTH: 841
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-11-050-804-2

Query Match               63.2%;     Score 36;  DB 7;   Length 841;
Best Local Similarity     55.6%;     Pred. No. 46;
Matches     5;   Conservative     3;   Mismatches     3;   Indels     1;   Gaps     0;

Qy         1 RLYPWGVVE 9
             |:||| .:|
Db       415 RVYPWQLLE 423

RESULT 9
US-11-054-515-323
; Sequence 323, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
;  FILE REFERENCE: PF523P3
;  CURRENT APPLICATION NUMBER: US/11/054,515
;  CURRENT FILING DATE:  2005-02-10
;  PRIOR APPLICATION NUMBER: 60/543,296
;  PRIOR FILING DATE: 2004-02-11
;  PRIOR APPLICATION NUMBER: 60/580,347
;  PRIOR FILING DATE: 2004-06-18
;  PRIOR APPLICATION NUMBER: 10/293,418
;  PRIOR FILING DATE: 2002-11-14
;  PRIOR APPLICATION NUMBER: 60/331,469
;  PRIOR FILING DATE: 2001-11-16
;  PRIOR APPLICATION NUMBER: 60/340,817
;  PRIOR FILING DATE: 2001-12-19
;  PRIOR APPLICATION NUMBER: 09/880,748
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: 60/293,499
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: 60/277,379
;  PRIOR FILING DATE: 2001-03-21
;  PRIOR APPLICATION NUMBER: 60/276,248
;  PRIOR FILING DATE: 2001-03-16
;  PRIOR APPLICATION NUMBER: 60/240,816
;  PRIOR FILING DATE: 2000-10-17
;  Remaining Prior Application data removed  -  See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 323
;  LENGTH: 249
;  TYPE: PRT
;  ORGANISM: Homo sapiens
US-11-054-515-323

Query Match               61.4%;     Score 35;  DB 7;   Length 249;
Best Local Similarity     100.0%;     Pred. No. 24;
Matches     5;   Conservative     0;   Mismatches     0;   Indels     0;   Gaps     0;

Qy         2 LYPWG 6
             |||||
Db       110 LYPWG 114

RESULT 10
US-11-054-515-340
; Sequence 340, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
;  FILE REFERENCE: PF523P3
;  CURRENT APPLICATION NUMBER: US/11/054,515
;  CURRENT FILING DATE:  2005-02-10
;  PRIOR APPLICATION NUMBER: 60/543,296
;  PRIOR FILING DATE: 2004-02-11

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; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 340
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-340

Query Match             61.4%;   Score 35;   DB 7;   Length 249;
Best Local Similarity   100.0%;  Pred. No. 24;
Matches    5;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy          2  LYPWG  6
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Db        110  LYPWG  114

RESULT 11
US-11-054-515-486
; Sequence 486, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 486
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-486

Query Match             61.4%;   Score 35;   DB 7;   Length 249;
Best Local Similarity   100.0%;  Pred. No. 24;
Matches    5;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy          2  LYPWG  6
               |||||
Db        110  LYPWG  114

RESULT 12
US-11-054-515-574
; Sequence 574, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2001-03-21
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 574
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-574

Query Match             61.4%;   Score 35;   DB 7;   Length 249;
Best Local Similarity   100.0%;  Pred. No. 24;
Matches    5;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy          2  LYPWG  6
               |||||
Db        110  LYPWG  114

RESULT 13
US-11-054-515-586
; Sequence 586, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
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Db   110 LYPWG 114
          |||||

RESULT 15
US-11-054-515-637
; Sequence 637, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 637
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-637

Query Match    61.4%;   Score 35;   DB 7;   Length 249;
Best Local Similarity   100.0%;   Pred. No. 24;
Matches   5;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy     2 LYPWG 6
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Db   110 LYPWG 114

Search completed: February 7, 2006, 13:48:20
Job time : 5.88723 secs

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; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 586
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-586

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Matches   5;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy     2 LYPWG 6
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Db   110 LYPWG 114

RESULT 14
US-11-054-515-619
; Sequence 619, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
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; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 619
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-619

Query Match    61.4%;   Score 35;   DB 7;   Length 249;
Best Local Similarity   100.0%;   Pred. No. 24;
Matches   5;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy     2 LYPWG 6

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